

20020905.qrp v02_n669.qrl.20020905

Date: Thu, 5 Sep 2002 19:03:10 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2669

QRP-L Digest 2669

Topics covered in this issue include:

- 1) [134207] Re: OT: Snakes & Spiders
by Ed Tanton <n4xy@earthlink.net>
- 2) [134208] NASA Unsubscribe
by Ed Tanton <n4xy@earthlink.net>
- 3) [134209] RE: OT: Snakes & Spiders
by "Michael Bower N4NMR" <bowerm@ix.netcom.com>
- 4) [134210] RE: OT: Snakes & Spiders
by Ed Tanton <n4xy@earthlink.net>
- 5) [134211] Re: OT: Snakes & Spiders
by "W2WU" <w2wurjj@verizon.net>
- 6) [134212] RE: Radio Shack Time Again
by Harry Hurst <wa3ptg@comcast.net>
- 7) [134213] RE: OT: Snakes & Spiders
by <n2go@arrl.net>
- 8) [134214] Re: OT: Snakes & Spiders
by Dave Fouchey <dafouchey@comcast.net>
- 9) [134215] VENDOR BASHING
by <mgoins@usa.net>
- 10) [134216] Re: OT: Snakes & Spiders
by Dave Fouchey <dafouchey@comcast.net>
- 11) [134217] Re: RS Bashing (food for thought).
by "laura halliday" <marsgal42@hotmail.com>
- 12) [134218] RE: ARRL Antenna Book 19th Edition
by "Karl F. Larsen" <k5di@zianet.com>
- 13) [134219] Smith Charts for Dummies
by "Karl F. Larsen" <k5di@zianet.com>
- 14) [134220] Re: Radio Shack comment too....
by "Brian" <brian@iquest.net>
- 15) [134221] Radio Shack
by "Karl F. Larsen" <k5di@zianet.com>
- 16) [134222] Re: Radio Shack comment too....
by "Winston F. Jones" <winjones@ix.netcom.com>
- 17) [134223] Snakes & Spiders
by "W2WU" <w2wurjj@verizon.net>
- 18) [134224] NE567 decoder chip
by guyg <guyg@bellatlantic.net>
- 19) [134225] RE: ARRL Antenna Book 19th Edition

- by Karl Kanalz <kkanalz@gcecispc.com>
- 20) [134226] OT: Non-RS related
by "N8IE" <n8ie@woh.rr.com>
- 21) [134227] Re: OT: Non-RS related
by Paul Womble <pwomble1@tampabay.rr.com>
- 22) [134228] Re: NASA Unsubscribe
by "gergea" <w4gfa@bellsouth.net>
- 23) [134229] Re: OT: Non-RS related
by "W3CDE Jerry L." <w3cde@bellsouth.net>
- 24) [134230] Re: OT: Non-RS related
by Dave Fouchey <dafouchey@comcast.net>
- 25) [134231] Re: Non-RS related
by "John McClain" <digi2@earthlink.net>
- 26) [134232] INteresting page SGC 239 / FT 817
by "Charles Mabbott" <aa8vs@msn.com>
- 27) [134233] Belden coax
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 28) [134234] Re: Radio Shack comment too....
by "Mike Yetsko" <myetsko@insydesw.com>
- 29) [134235] Re: OT: Non-RS related
by Bill ROWLETT <kc4atu@yahoo.com>
- 30) [134236] Re: INteresting page SGC 239 / FT 817
by "Tim, N9PUZ" <n9puz@arrl.net>
- 31) [134237] Re: NE567 decoder chip
by "Jim Pruitt" <wa7duy@charter.net>
- 32) [134238] Re: NE567 decoder chip
by "Michael Melland" <w9wis@charter.net>
- 33) [134239] Re: ARRL Antenna Book 19th Edition
by "George, W5YR" <w5yr@att.net>
- 34) [134240] Re: INteresting page SGC 239 / FT 817
by "Tim, N9PUZ" <n9puz@arrl.net>
- 35) [134241] Re: RS Bashing (food for thought).
by "George, W5YR" <w5yr@att.net>
- 36) [134242] Re: OT: Non-RS related
by "Rod N0RC" <rod@n0rc.us>
- 37) [134243] Re: OT: Non-RS related
by "Mark Andrews \ (KE4IOF\)" <KE4IOF@ke4iof.com>
- 38) [134244] NE567-Thank You
by guyg <guyg@bellatlantic.net>
- 39) [134245] Re: OT: Non-RS related
by "Ben Pfeiffer" <bpfeiffer@tusco.net>
- 40) [134246] Rock Mite Question
by "Brian" <brian@iquest.net>
- 41) [134247] Re: Trade please?
by "Larry Spinner" <n2icz@hotmail.com>
- 42) [134248] Re: OT: Non-RS related
by Bruce Muscolino <w6toy@erols.com>
- 43) [134249] Narrow N/C paddle shipping

by "Doug Hauff" <dhauff@digitalputty.com>
44) [134250] Re: Ni-cad?
by Tim and Michele Groat <tmgroat@peakpeak.com>
45) [134251] RS Bashing
by "Max Moon" <maxmoon@umn.edu>
46) [134252] Re: RS Bashing
by "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>
47) [134253] hawaii
by joe living <jliving2001@yahoo.com>
48) [134254] CPSC, Fluke Corp. Announce Recall of Digital Multimeters
by "IT2 John Dooley" <portscom@hotmail.com>
49) [134255] OT: Lighting Dimentions International 2002 Las Vegas...
by "Trevor Jacobs" <kg6cyn@earthlink.net>
50) [134256] QRPp Beacon on 15 Meters
by wkhibbert@juno.com
51) [134257] Re: OT: Non-RS related
by Mark Fields <mark_ke5my@juno.com>
52) [134258] Index Labs QRP+ help?
by "=?iso-8859-1?B?TthCUw==?=" <n0bs@msn.com>
53) [134259] Re: RS Bashing
by Garey Barrell <k4oah@mindspring.com>
54) [134260] Ladder filter PCB
by "Leon Heller" <leon_heller@hotmail.com>
55) [134261] OT: o'scope trace width question
by pmurphy <w6wy@citlink.net>
56) [134262] UPDATED: the "Rock-Mite" files
by "Rod N0RC" <rod@n0rc.us>
57) [134263] Re: Rock Mite Question
by john <john@wagner-usa.net>
58) [134264] Favorite low loss coax?
by Patrick Gardella <pgardella@yahoo.com>
59) [134265] Re: Index Labs QRP+ help?
by William R Colbert <w5xe@juno.com>
60) [134266] FS: GAP 4-band Vertical Ant.
by Larry East <w1hue@amsat.org>
61) [134267] Re: OT: o'scope trace width question
by "Leon Heller" <leon_heller@hotmail.com>
62) [134268] NEQRP CW Net, Thursday, 5 Sep 02, 08:30 PM EDT, 3.565 MHz
by Chuck Ludinsky <cjl@mitre.org>
63) [134269] Re: Favorite low loss coax?
by "Michael Melland" <w9wis@charter.net>
64) [134270] Extracurricular Virgin Truffle tonite!!
by Lloyd Lachow <llachow@yahoo.com>
65) [134271] RE: Favorite low loss coax?
by "Fancher, Mark (GEAE)" <Mark.Fancher@ae.ge.com>
66) [134272] Re: OT: o'scope trace width question
by "George, W5YR" <w5yr@att.net>
67) [134273] Re: Favorite low loss coax?

by George Fremin III - K5TR <geoiiii@kkn.net>
68) [134274] rig for sale
by "Hartwell, Martin E, ALINF" <mehartwell@att.com>
69) [134275] RE: Favorite low loss coax?
by W2AGN <w2agn@w2agn.net>
70) [134276] Re: Extracurricular Virgin Truffle tonite!!
by Chris Cartwright <ccart@phideaux.com>
71) [134277] Re: Favorite low loss coax?
by "Mike Yetsko" <myetsko@insydesw.com>
72) [134278] Re: Baluns and Fiberglass Poles
by Bill Coleman <aa4lr@arrl.net>
73) [134279] Re: OT: o'scope trace width question
by "blinn" <blinn@smgazette.com>
74) [134280] Manhattan Style Kits Coming
by "Doug Hendricks" <ki6ds@dph.dpol.net>
75) [134281] RE: ARRL Antenna Book 19th Edition
by Bill Coleman <aa4lr@arrl.net>
76) [134282] Re: Baluns and Fiberglass Poles
by "George, W5YR" <w5yr@att.net>
77) [134283] N/C Narrows shipping
by "Doug Hauff" <dhauff@digitalputty.com>
78) [134284] QRPacificon RockMite Teams, 2 so Far
by "Doug Hendricks" <ki6ds@dph.dpol.net>
79) [134285] Doug Hauff Key
by "Hartwell, Martin E, ALINF" <mehartwell@att.com>
80) [134286] Home Power magazine
by "Ron McConnell" <rcmcc@earthlink.net>
81) [134287] Re: Favorite low loss coax?
by "Tim, N9PUZ" <n9puz@arrl.net>
82) [134288] N/C Narrows - TNX for Labels!
by "Doug Hauff" <dhauff@digitalputty.com>
83) [134289] Re:hawaii
by Hiloarc@aol.com
84) [134290] Re: Cat 5 Wire as feedline?
by Bill Coleman <aa4lr@arrl.net>
85) [134291] Re: Home Power magazine
by "Bill Jones" <kd7s@psnw.com>
86) [134292] Re: Cleaning aluminum antenna joints
by Bill Coleman <aa4lr@arrl.net>
87) [134293] RE: cleaning aluminum?
by Bill Coleman <aa4lr@arrl.net>
88) [134294] Test do not read.
by "Randy Randall" <RANDALLR@healthall.com>
89) [134295] RE: Home Power magazine
by "KD5NWA" <KD5NWA@mbayona.com>
90) [134296] Rock Mite 20 - new problem
by "John McClain" <digi2@earthlink.net>
91) [134297] Re: Cleaning aluminum antenna joints

- by "Bill Jones" <kd7s@psnw.com>
- 92) [134298] Re: UPDATED: the "Rock-Mite" files
by brian@iquest.net
- 93) [134299] Web site for Smith Charts for Dummies
by "Karl F. Larsen" <k5di@zianet.com>
- 94) [134300] Re: Rock Mite 20 - new problem
by <igeq100@iupui.edu>
- 95) [134301] Don't you need a balun?
by brian@iquest.net
- 96) [134302] Re: Don't you need a balun?
by W2AGN <w2agn@w2agn.net>
- 97) [134303] Home Power magazine - Oh Noooo
by "Charles Mabbott" <aa8vs@msn.com>
- 98) [134304] Re: Favorite low loss coax?
by W2AGN <w2agn@w2agn.net>
- 99) [134305] Re: Home Power magazine - Oh Noooo
by "Jeff Mitchell" <jeffmit@datastratinc.com>
- 100) [134306] Re: Rock Mite 20 - new problem
by "Dave Benson" <nn1g@earthlink.net>
- 101) [134307] Re: Index Labs QRP+ help?
by <n2go@arrl.net>
- 102) [134308] Re: Index Labs QRP+ help?
by <n2go@arrl.net>
- 103) [134309] OT: o'scope trace width question
by "Brad Hernlem" <alihernlem@hotmail.com>
- 104) [134310] Re: Favorite low loss coax?
by "Michael Melland" <w9wis@charter.net>
- 105) [134311] Re: cleaning aluminum?
by "W2WU" <w2wurjj@verizon.net>
- 106) [134312] Late K0EVZ FOX posting
by "Doc Lindsey K0EVZ" <dock0evz@earthlink.net>
- 107) [134313] Findlay Ohio Hamfest - QRP items
by "Bill Kelsey - N8ET - Kanga US" <kanga@bright.net>
- 108) [134314] FOX: Truffle this evening?
by "Tom Palmer" <n1tp@swfla.rr.com>
- 109) [134315] Re: Cleaning aluminum antenna joints
by Bill Coleman <aa4lr@arrl.net>
- 110) [134316] Re: Don't you need a balun?
by "Mike Yetsko" <myetsko@insydesw.com>
- 111) [134317] Re: Cleaning aluminum antenna joints
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 112) [134318] Re: FOX: Truffle this evening?
by Lloyd Lachow <llachow@yahoo.com>
- 113) [134319] Re: Cleaning aluminum antenna joints
by "George, W5YR" <w5yr@att.net>
- 114) [134320] Re: Favorite low loss coax?
by Bruce Grubbs <mail@brucegrubbs.com>
- 115) [134321] case lettering info (was Rock-Mite update)

by "P.Ermisch" <ermisch@usa.net>
116) [134322] Re: Cleaning aluminum antenna joints
by Bill Coleman <aa4lr@arrl.net>
117) [134323] No Balun Needed For The Adaptor
by Karl Kanalz <kkanalz@gcecisp.com>

Date: Wed, 04 Sep 2002 18:58:34 -0400
From: Ed Tanton <n4xy@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [134207] Re: OT: Snakes & Spiders
Message-ID: <5.1.1.6.2.20020904182518.039287e0@pop.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Actually, I think it is relevant to everyone considering a Field Day/camping/whatever. There are two things to know about snakes in general, and one about snakebites. 1) NEVER EVER step over a log. Something like 85-90% of all snakebites occur when someone does this, and manages to step on a venomous snake. If you cannot see the other side of a fallen tree or log, step ONTO the tree, look at where you're going to step down, and do so. 2) ALWAYS check your sleeping bag at night before getting in, and your boots in the morning before putting them on. That's most of the rest of the bites. (You don't need to be told about not putting your hand in a hole do you?)

OK... snakebites. Calm the victim. Do NOT cut the bite. Calm the victim. If you don't have a snakebite kit, don't suck out the poison. One sore or cut in your mouth and there will be two victims. Did I mention: calm the victim? The BEST thing you could do would be to get the victim to a hospital soonest. If you can, use a stretch-wrap to constrict the bite area. If you can't, I have mixed emotions about tourniquets. If one can be rigged quickly, I'd do it.

The reason NOT to cut the bite is that for years, excited people have been doing far more damage than the bite causes through cutting and slashing.

I've kept snakes for years. They are not particularly smart (Cobras-especially King Cobras-are the exception... they are VERY intelligent.) No snake in North America is TRULY aggressive. Coachwhips will definitely put on a show... but ANY snake in North America given a reasonable escape path will take it. The majority of bites in the USA are by Copperheads. Largely due to their excellent camouflage getting them stepped on. With the exception of the Coral snake (Yellow Touches Red-You're Dead) all the snakes in North America are not poisonous. They are venomous. This means that a healthy adult will normally-if painfully-survive an envenomation without antivenin.

Reasonable care is always required "in the wild". I'm a LOT more concerned about Lyme-Disease-Ticks and West-Nile-Virus than snakes or spiders.

73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

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Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

Date: Wed, 04 Sep 2002 19:08:23 -0400
From: Ed Tanton <n4xy@earthlink.net>
To: QRP-L Reflector <qrp-l@lehigh.edu>
Subject: [134208] NASA Unsubscribe
Message-ID: <5.1.1.6.2.20020904190414.038e98f0@pop.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Apparently SOMEONE on this reflector lacks the cojones to face me with their complaint about my recent NASA Forward. I was briefly unsubscribed from their service today. How cowardly. C'mon pal... step up to the plate and let's have a talk.

73 Ed Tanton N4XY <n4xy@earthlink.net>

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LM: ARRL QCWA AMSAT & INDEXA;
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OK-QRP QRP-L #758 K2 (FT) #00057

Date: Wed, 4 Sep 2002 19:13:22 -0400
From: "Michael Bower N4NMR" <bowerm@ix.netcom.com>
To: "qrp-l" <qrp-l@lehigh.edu>
Subject: [134209] RE: OT: Snakes & Spiders
Message-ID: <ODE0IKLMAJFGCNMOGAGIEEFCCFAA.bowerm@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: 7bit

Tourniques:

No, no, no. Tourniques are a very last resort. The problem is that you cause more damage by cutting off the flow of blood than you do by not cutting off the flow of blood. This is especially true if you do use one and you forget to loosen it every 5 minutes. Even EMTs are told to not use a tournique unless ABSOLUTELY necessary. And that would involve an accidental amputation that will not stop bleeding.

Michael Bower N4NMR
EMT-B

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of Ed Tanton
Sent: Wednesday, September 04, 2002 6:59 PM
To: Low Power Amateur Radio Discussion
Subject: Re: OT: Snakes & Spiders

Actually, I think it is relevant to everyone considering a Field Day/camping/whatever. There are two things to know about snakes in general, and one about snakebites. 1) NEVER EVER step over a log. Something like 85-90% of all snakebites occur when someone does this, and manages to step on a venomous snake. If you cannot see the other side of a fallen tree or log, step ONTO the tree, look at where you're going to step down, and do so. 2) ALWAYS check your sleeping bag at night before getting in, and your boots in the morning before putting them on. That's most of the rest of the bites. (You don't need to be told about not putting your hand in a hole do

you?)

OK... snakebites. Calm the victim. Do NOT cut the bite. Calm the victim. If you don't have a snakebite kit, don't suck out the poison. One sore or cut in your mouth and there will be two victims. Did I mention: calm the victim? The BEST thing you could do would be to get the victim to a hospital soonest. If you can, use a stretch-wrap to constrict the bite area. If you can't, I have mixed emotions about tourniquets. If one can be rigged quickly, I'd do it.

The reason NOT to cut the bite is that for years, excited people have been doing far more damage than the bite causes through cutting and slashing.

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Reasonable care is always required "in the wild". I'm a LOT more concerned about Lyme-Disease-Ticks and West-Nile-Virus than snakes or spiders.

73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

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OK-QRP QRP-L #758 K2 (FT) #00057

Date: Wed, 04 Sep 2002 19:22:31 -0400

From: Ed Tanton <n4xy@earthlink.net>
To: bowerm@ix.netcom.com,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [134210] RE: OT: Snakes & Spiders
Message-ID: <5.1.1.6.2.20020904191953.03945bb8@pop.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I THOUGHT they were out of favor-but didn't know... that's good to learn...
the Aussies like to tightly wrap the limb for their bite victims... but
their snakes are a LOT more likely to be neurotoxic/etc. than ours, so I
don't know how that applies to Copperheads and rattlesnakes.

73 Ed Tanton N4XY <n4xy@earthlink.net>

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Marietta, GA 30068-3466

website: <http://www.n4xy.com>

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LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

Date: Wed, 4 Sep 2002 19:22:35 -0400
From: "W2WU" <w2wurjj@verizon.net>
To: <bowerm@ix.netcom.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [134211] Re: OT: Snakes & Spiders
Message-ID: <001001c25469\$f92efa60\$71c2fea9@w2wu>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

VERY TRUE! Once applied they stay on - so I was taught at class. 73- Ron
W2WU

----- Original Message -----

From: Michael Bower N4NMR <bowerm@ix.netcom.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: 04 September, 2002 19:13
Subject: RE: OT: Snakes & Spiders

> Tourniquets:

>

> No, no, no. Tourniquets are a very last resort. The problem is that you
> cause more damage by cutting off the flow of blood than you do by not
> cutting off the flow of blood. This is especially true if you do use one
> and you forget to loosen it every 5 minutes. Even EMTs are told to not
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> a tourniquet unless ABSOLUTELY necessary. And that would involve an
> accidental amputation that will not stop bleeding.

>

> Michael Bower N4NMR

> EMT-B

>

>

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> From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of

> Ed Tanton

> Sent: Wednesday, September 04, 2002 6:59 PM

> To: Low Power Amateur Radio Discussion

> Subject: Re: OT: Snakes & Spiders

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> general, and one about snakebites. 1) NEVER EVER step over a log.

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> step on a venomous snake. If you cannot see the other side of a fallen
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> in your mouth and there will be two victims. Did I mention: calm the
> victim? The BEST thing you could do would be to get the victim to a

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> Reasonable care is always required "in the wild". I'm a LOT more concerned
> about Lyme-Disease-Ticks and West-Nile-Virus than snakes or spiders.
>
>
> 73 Ed Tanton N4XY <n4xy@earthlink.net>
>
> Ed Tanton N4XY
> 189 Pioneer Trail
> Marietta, GA 30068-3466
>
> website: <http://www.n4xy.com>
>
> All emails <IN> & <OUT> checked by
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> LM: ARRL QCWA AMSAT & INDEXA;
> SEDXC NCDXA GACW QRP-ARCI
> OK-QRP QRP-L #758 K2 (FT) #00057
>
>
>

Date: Wed, 04 Sep 2002 19:24:34 -0400
From: Harry Hurst <wa3ptg@comcast.net>
To: jrllaudio@bellsouth.net,
 "'Low Power Amateur Radio Discussion'" <qrp-1@lehigh.edu>

Subject: [134212] RE: Radio Shack Time Again
Message-ID: <000001c2546a\$3aaeb570\$0500a8c0@matthew>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

I needed an 18-pin dip socket on a Sunday afternoon. Guess who had it?

Hap, WA3PTG
Wilmington DE

Date: Wed, 4 Sep 2002 19:29:25 -0400 (EDT)
From: <n2go@arrl.net>
To: Michael Bower N4NMR <bowerm@ix.netcom.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [134213] RE: OT: Snakes & Spiders
Message-ID: <Pine.LNX.4.33.0209041922090.851-100000@valhalla.v>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I use tourniquets for 1 hour at a time on thighs and ankles.
About 250mmHg pressure on the ankle and about 350mmhg on the thigh.
I have never had a problem. Your mileage may vary :)

What does this have to do with qrp? I dunno...
I had my first experience with a little snake about 1 foot long. I tried to sneak up behind him and grab him behind the neck. It didn't work. He grabbed my index finger with his fangs and wouldn't let go. Even as I was waving my arm and yelling... He finally let go and went into orbit, I presume. I was eight at the time. I haven't played with snakes since and that's the truth :)

73,

Jim n2go

Date: Wed, 04 Sep 2002 19:31:09 -0400
From: Dave Fouchey <dafouchey@comcast.net>
To: wb3aal@fast.net,
Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>

Subject: [134214] Re: OT: Snakes & Spiders
Message-ID: <4.1.20020904193001.00944e60@localhost>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

Heck Ron I handle it simple, spiders I squash, Snakes I cook...end of problem,

73's
Dave
WA4EMR (Tongue firmly in cheek)

At 05:58 PM 9/4/02 -0400, Ron Polityka wrote:
>Hi,
>
> Sorry if this is off the radio topic.
>
>This is for all those who hike outdoors.
>
>Go to www.n3epa.org/ and click on Snakes and Spiders.
>
>This will help you identify all those poisonous snakes and spiders.
>
>Ed, WA3WSJ, sent me the sites.
>
>72
>Ron de WB3AAL
>www.n3epa.org/

Date: Wed, 04 Sep 2002 18:30:11 -0500
From: <mgoins@usa.net>
To: <qrp-1@lehigh.edu>
Subject: [134215] VENDOR BASHING
Message-ID: <20020904233011.22569.qmail@uwdvg001.cms.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable

I would also suspect that some of the recurring hard feelings toward Radio Shack are because the RS of today isn't the same Radio Shack that was around when I built my first Tuna Tin II. =

Back then they were a lot more parts and "build" oriented, it seems like =
there
was at least one RS store in nearly every city, and their stores were a p=
lace
where anyone could get a pretty fair assortment of parts quickly. =

Now even the smaller "local" privately-owned parts stores have gone the w=
ay of
the discount and Internet places, and I, for one, really miss them. Spent=
many
a Saturday talking to the guys (and buying parts) at some of the local st=
ores
that no longer exist.

mike
wb5yjx

Date: Wed, 04 Sep 2002 19:44:55 -0400
From: Dave Fouchey <dafouchey@comcast.net>
To: n4xy@earthlink.net,
Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [134216] Re: OT: Snakes & Spiders
Message-ID: <4.1.20020904193242.00948900@localhost>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

for the most part I would second Ed's comments with one minor Quibble, our
western brethren who may run into the Mojave Rattlesnake would be well
advised to (A) Learn what they look like and avoid them. (B) IF Bitten seek
medical attention IMMEDIATELY, they have a very high neuro-toxic component
in their venom and LD50 tests over the past decade has documented a marked
INCREASE in the toxicity of their Venom. The reasons for this increase in
Venom toxicity is not well understood.

All that said you are more likely to get a serious sting from a Bee or Wasp
than get into trouble with a snake bit.

Oh and Ed, I would put the Black Mamba up their on the list of fast, mean
SMART snakes...

Down in your neck of the woods Copperheads most definitely would be the

ones most likely to result in a snake bite, you are right their camouflage is superb, as is the Timber/Canebrake rattlesnakes. Fortunately like most US Snakes they are not aggressive, though water Moccasins can be ornery.

Most of the problems people will have from snake bites here in the US involves necrosis around the bite site, plus you feel like CRAP, trust me.

So be alert, pay attention to where you put your feet and hands, empty out your sleeping bags and boots and RELAX. You are in more danger DRIVING to your starting point to your trip into the back country than you are from the critters you find there.

73's & Enjoy the views if you DO see a snake.

Dave

WA4EMR

(Yeah I'm one of those wackos who keeps snakes too.)

At 06:58 PM 9/4/02 -0400, Ed Tanton wrote:

>Actually, I think it is relevant to everyone considering a Field
>Day/camping/whatever. There are two things to know about snakes in
>general, and one about snakebites. 1) NEVER EVER step over a log. Something
>like 85-90% of all snakebites occur when someone does this, and manages to
>step on a venomous snake. If you cannot see the other side of a fallen tree
>or log, step ONTO the tree, look at where you're going to step down, and do
>so. 2) ALWAYS check your sleeping bag at night before getting in, and your
>boots in the morning before putting them on. That's most of the rest of the
>bites. (You don't need to be told about not putting your hand in a hole do
>you?)

>

>OK... snakebites. Calm the victim. Do NOT cut the bite. Calm the victim. If
>you don't have a snakebite kit, don't suck out the poison. One sore or cut
>in your mouth and there will be two victims. Did I mention: calm the
>victim? The BEST thing you could do would be to get the victim to a
>hospital soonest. If you can, use a stretch-wrap to constrict the bite
>area. If you can't, I have mixed emotions about tourniquets. If one can be
>rigged quickly, I'd do it.

>

>The reason NOT to cut the bite is that for years, excited people have been
>doing far more damage than the bite causes through cutting and slashing.

>

>I've kept snakes for years. They are not particularly smart
>(Cobras-especially King Cobras-are the exception... they are VERY
>intelligent.) No snake in North America is TRULY aggressive. Coachwhips
>will definitely put on a show... but ANY snake in North America given a
>reasonable escape path will take it. The majority of bites in the USA are
>by Copperheads. Largely due to their excellent camouflage getting them
>stepped on. With the exception of the Coral snake (Yellow Touches

>Red-You're Dead) all the snakes in North America are not poisonous. They
>are venomous. This means that a healthy adult will normally-if
>painfully-survive an envenomation without antivenin.
>
>Reasonable care is always required "in the wild". I'm a LOT more concerned
>about Lyme-Disease-Ticks and West-Nile-Virus than snakes or spiders.
>
>
>73 Ed Tanton N4XY <n4xy@earthlink.net>
>
>Ed Tanton N4XY
>189 Pioneer Trail
>Marietta, GA 30068-3466
>
>website: <http://www.n4xy.com>
>
>All emails <IN> & <OUT> checked by
>Norton AntiVirus with AutoProtect
>
>LM: ARRL QCWA AMSAT & INDEXA;
>SEDXC NCDXA GACW QRP-ARCI
>OK-QRP QRP-L #758 K2 (FT) #00057
>

Date: Wed, 04 Sep 2002 16:52:39 -0700
From: "laura halliday" <marsgal42@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [134217] Re: RS Bashing (food for thought).
Message-ID: <F218DDMfTnYsHc1hsAU00010ef5@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Ray Goff (radioham@gmx.co.uk) wrote:

>Clearly it no longer pays to supply the
>diminishing ham fraternity with their components.

Does it?

While it clearly does not pay to do *retail* sales,
mail-order and Internet-based electronics places
are plentiful, and seem to be doing OK.

It is indeed fun to browse and rummage in parts bins,
but that seems to be the way of the past. So be it;

give me a good catalogue (paper or electronic) and prompt shipment, and I will continue to be happy.

Outfits like Radio Shack aren't charities: they are in business to make money. And just because they have done business in a particular way in the past in no way obligates them to continue to do so, in perpetuity.

Laura Halliday VE7LDH "Que les nuages soient notre
Grid: CN89lg pied a terre..."
ICBM: 49 16.57 N 123 0.24 W - Hospital/Shafte

Chat with friends online, try MSN Messenger: <http://messenger.msn.com>

Date: Wed, 4 Sep 2002 18:01:38 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [134218] RE: ARRL Antenna Book 19th Edition
Message-ID: <Pine.LNX.4.44.0209041800360.4299-100000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable

Hi Ed, here is my calculations. Same software....

OK guys I fired up Transmission Lines Details and put into it the conditions that exist if you use a 100 foot dipole on 1.83 MHz with a 100 foot Transmission Line. The data is in Table 1, page 26-2 of the 19th ARRL Antenna Book. The results I list below:

Power input: 1500 watts
Transmission Line: 450 ohm windowed 1 inch wide ribbon.
SWR: 792.9
Antenna feed point impedance: 4.5 -j1673
Power losses:
 Conductor: 6.23 Watts
 SWR: 1317.41 Watts
 Diel: 0.06 Watts
 Total loss: 1322.7 Watts
Line length: 0.2045 Lambda

Discussion:=20

Ed Hare calculated the power per unit length which will be correct if the the power is equally dissipated on the Transmission line. I do not think that will be the case. There will be very high standing waves where the loss will be concentrated at current maximums. At the current maximum the 16 gauge wire will get VERY hot. If it happens fast it *might* catch fire.=20

I sold my grid driven 4CX1000A amplifier several years ago. I drove it with my Argonaut which makes 2.5 watts. It put out 1500 watts key down. So I can't run an experiment.

This antenna can be tested with a 100 watt transmitter and I think the same Transmission Line will not suffer any damage.=20

It's true that this antenna is well known not to work on 160 meters. But for the question, can high power damage a Transmission Line? The answer is yes.

On Wed, 4 Sep 2002, Hare,Ed, W1RFI wrote:

```
> > Yes this is a few weeks old news. And of course you have little=20
> > knowledge of the subject and prove it with your guess as to what might=
=20
> > happen. And as usual your wrong.
>=20
> He may not be totally wrong.
>=20
> Here are the predicted losses for a 75:1 SWR on 450-ohm ladder line:
>=20
>     TLA (Transmission Line), Copyright 1993-1997, ARRL -- by N6BV
>     Ver. 2.02, Aug 16, 1998
>=20
> 450-Ohm Window Ladder Line
> Length of line: 100.00 ft.
> Frequency: 10.000 MHz
> Transmission line characteristic impedance: 450.0 - j 0.63 Ohms
> Matched-line loss, dB per 100 ft.: 0.082 dB
> Velocity factor of transmission line: 0.950
> Maximum voltage rating of transmission line: 10000.0 V
> Matched-line attenuation =3D 0.082 dB
> Resistive part of impedance at load: 6
> Reactive part of impedance (- cap., + induct., ohms) : 0
```

> SWR at load: 75.00
 > SWR at line input: 43.91
 > Additional line loss due to SWR: 2.346 dB
 > Total line loss: 2.428 dB (42.8%)
 > At line input, $Z_{in} = 3D\ 12.83 + j\ 212.36 _ = 3D\ 212.75 _ \text{ at } 86.54=B0;$
 > At 1500 W, max. rms voltage on line: 5354.1 V
 > Distance from load for peak voltage =3D 70.9 ft.
 > Maximum rms voltage rating of cable: 10000 V estimated
 >=20
 > Now, 42.8% if 1500 watts is 723 watts dissipated in the line. This would be approximately 600 milliwatts per inch. The line would probably not vaporize, though it would run pretty warm.
 >=20
 > > > If you have an antenna that will heat up and burst into=20
 > > flames with 1500=20
 > > > watts, then it clearly isn't very efficient -- much too=20
 > > much RF energy is=20
 > > > being converted into heat.
 >=20
 > True enough. Can you provide some real-world examples of antennas that might burst into flame if 1500 watts is applied?
 >=20
 > 73,=20
 > Ed Hare, W1RFI
 > ARRL Lab
 > 225 Main St
 > Newington, CT 06111
 > Tel: 860-594-0318
 > Internet: w1rfi@arrl.org
 > Web: <http://www.arrl.org/tis>
 >=20
 > ARRL is the National Association for Amateur Radio. It is supported by membership dues, individual contributions and the sale of publications and advertising. For more information about ARRL, go to <http://www.arrl.org/news/features/inside-your-league.html>. For more information about membership, go to <http://www.arrl.org/join.html>. Your contribution can also help support ARRL's ongoing efforts to protect Amateur spectrum. Go to <https://www.arrl.org/forms/development/donations/basic/> to learn more about the ways you can support the ARRL programs and activities of most importance to you. You can help ARRL protect Amateur Radio for you and future generations to enjoy.
 >=20
 >=20
 > > -----Original Message-----
 > > From: Karl F. Larsen [mailto:k5di@zianet.com]
 > > Sent: Tuesday, September 03, 2002 10:49 PM
 > > To: Low Power Amateur Radio Discussion
 > > Subject: Re: ARRL Antenna Book 19th Edition

Happy I get to scrounge some neat parts, sad I had to buy a new one.

I better go buy two though...we have a million VHS tapes.

----- Original Message -----

From: "Rick McKee" <kc8aon@juno.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Tuesday, September 03, 2002 9:44 PM

Subject: Re: Radio Shack comment too....

> Lets not all forget, that we as hams only represent a very small
> portion
> of the population, and for any company to survive, they have to
> cater to
> the crowd that spends the most money in their store. Radio Shacks
> average
> customers aren't hams, they are the general public. Folks that buy
> thing
> like computers, TV's, stereos, phones etc etc. And the general
> public
> for the most part does not homebrew any equipment, or even try to
> fix
> their equipment, when it breaks, they throw it away and buy a new
> one.
> HUM ! maybe we hams should go dumpster diving more often to see
> what
> electronic goodies we can find !
>
> 72/73 DE: [K] [C] [8] [A] [O] [N]
> Rick McKee
> Willow Wood, Ohio
> QRP- do more with less !
> QRP-L #2112, FPqrp #33, AR QRP #269
>
>
>
> -----
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> <http://dl.www.juno.com/get/web/>.
>
>

Date: Wed, 4 Sep 2002 18:19:43 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: qrp-1@lehigh.edu
Subject: [134221] Radio Shack
Message-ID: <Pine.LNX.4.44.0209041818070.4330-100000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Radio Shack is the ONLY game in town. If you can't like it then don't buy there. But also think about how it will be when the Radio Shack closes.

--
72, Karl K5DI

```
  _  _  _  _  _  _  _  _  _  _  _  _  _  _  _  _  _  _  _  _  _  _  
 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  
 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  
 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
```

Date: Wed, 4 Sep 2002 20:30:16 -0400
From: "Winston F. Jones" <winjones@ix.netcom.com>
To: <Mark.Fancher@ae.ge.com>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [134222] Re: Radio Shack comment too....
Message-ID: <00b201c25473\$698e4960\$f327c043@winston>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Since the thread's going, I might as well get in my two cents' worth!
For many of us in smaller retail markets, Radio Shack is the only source of quick parts. Sure, we can order from Mouser, DigiKey or Dan's and get much better prices, but we often have an immediate need for a single resistor or connector on a Sunday afternoon.
Radio Shack used to advertise themselves as the "Electronics Supermarket." Actually, they're an electronics convenience store. I wouldn't think of buying all my groceries at the 7-11, but it's nice to have one near when all I need is a loaf of bread.
Unfortunately, there's very few builders and parts users these days and many more cell phone, satellite TV and computer users. Radio Shack (as any

business) gravitates to where the money is. I sure will miss their parts when they're gone. Guess I'll have to plan ahead better.

73, Winston K4CWQ

----- Original Message -----

From: "Fancher, Mark (GEAE)" <Mark.Fancher@ae.ge.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Wednesday, September 04, 2002 17:49 PM

Subject: RE: Radio Shack comment too....

>

> Probably not too many folks from the west coast complaining because - they have

> FRY'S! Sorry, I had to add that since I'm still having Fry's withdrawals after

> moving from CA to KY three years ago.

>

> Mark, AA4MF

> -----Original Message-----

> From: Rick McKee [mailto:kc8aon@juno.com]

> Sent: Tuesday, September 03, 2002 10:44 PM

> To: Low Power Amateur Radio Discussion

> Subject: Re: Radio Shack comment too....

>

>

> Lets not all forget, that we as hams only represent a very small portion
> of the population, and for any company to survive, they have to cater to
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>

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> Rick McKee

> Willow Wood, Ohio

> QRP- do more with less !

> QRP-L #2112, FPqrp #33, AR QRP #269

>

>

>

> -----
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> <http://dl.www.juno.com/get/web/>.

Date: Wed, 4 Sep 2002 20:25:01 -0400
From: "W2WU" <w2wurjj@verizon.net>
To: <dafouchey@comcast.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [134223] Snakes & Spiders
Message-ID: <002c01c25473\$6427d720\$71c2fea9@w2wu>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

What's the name of the Far Eastern & Eurasian snake that's as bad? -Ron

----- Original Message -----

From: Dave Fouchey <dafouchey@comcast.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: 04 September, 2002 19:44
Subject: Re: OT: Snakes & Spiders

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> western brethren who may run into the Mojave Rattlesnake would be well
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> medical attention IMMEDIATELY, they have a very high neuro-toxic component
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> Venom toxicity is not well understood.
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> All that said you are more likely to get a serious sting from a Bee or
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> ones most likely to result in a snake bite, you are right their camouflage
> is superb, as is the Timber/Canebrake rattlesnakes. Fortunately like most
> US Snakes they are not aggressive, though water Moccasins can be ornery.
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> Dave
> WA4EMR
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> >Reasonable care is always required "in the wild". I'm a LOT more
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> >about Lyme-Disease-Ticks and West-Nile-Virus than snakes or spiders.
> >
> >
> >73 Ed Tanton N4XY <n4xy@earthlink.net>
> >
> >Ed Tanton N4XY
> >189 Pioneer Trail
> >Marietta, GA 30068-3466
> >
> >website: <http://www.n4xy.com>
> >
> >All emails <IN> & <OUT> checked by
> >Norton AntiVirus with AutoProtect
> >
> >LM: ARRL QCWA AMSAT & INDEXA;
> >SEDXC NCDXA GACW QRP-ARCI
> >OK-QRP QRP-L #758 K2 (FT) #00057
> >
>

Date: Wed, 04 Sep 2002 20:49:49 -0400
From: guyg <guyg@bellatlantic.net>
To: "qrp-l@Lehigh.EDU" <qrp-l@lehigh.edu>
Subject: [134224] NE567 decoder chip
Message-ID: <3D76AA2D.83226E3A@bellatlantic.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello,

I would like to build a N5FC zerobeat indicator. I am having a hard
time finding NE567, LM567 or SE567
PLL decoder chips. I've tried radioshack and Mouser's
catalog but can't locate this chip. If someone on the list
has a few (or 1!) to trade or sell, I'm interested. Otherwise,
if someone knows where to look, I'd appreciate any info.

Thanks and 73,Guy kb3ckw

Date: Wed, 4 Sep 2002 19:52:33 -0500
From: Karl Kanalz <kkanalz@gcecispc.com>
To: "'k5di@zianet.com'" <k5di@zianet.com>,
Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [134225] RE: ARRL Antenna Book 19th Edition
Message-ID: <01C2544C.A3C46500@KKANALZ>

Instead of 160M, Karl, why don't you use 10.000 MHz like Ed Hare did? It seems to me that you're setting up the "calculations" to suit your purposes, rather than look at it with an objective view.

Karl K - W8TIF
(The "Real Karl")
McKinney, Texas

-----Original Message-----
From: Karl F. Larsen [SMTP:k5di@zianet.com]
Sent: Wednesday, September 04, 2002 7:02 PM
To: Low Power Amateur Radio Discussion
Subject: RE: ARRL Antenna Book 19th Edition

Hi Ed, here is my calculations. Same software....

OK guys I fired up Transmission Lines Details and put into it the conditions that exist if you use a 100 foot dipole on 1.83 MHz with a 100 foot Transmission Line. The data is in Table 1, page 26-2 of the 19th ARRL Antenna Book. The results I list below:

Power input: 1500 watts
Transmission Line: 450 ohm windowed 1 inch wide ribbon.
SWR: 792.9
Antenna feed point impedance: 4.5 -j1673
Power losses:
Conductor: 6.23 Watts
SWR: 1317.41 Watts
Diel: 0.06 Watts
Total loss: 1322.7 Watts
Line length: 0.2045 Lambda

Discussion:

Ed Hare calculated the power per unit length which will be correct if the the power is equally dissipated on the Transmission line. I do not think that will be the case. There will be very high standing waves where the loss will be concentrated at current maximums. At the current maximum the 16 gauge wire will get VERY hot. If it happens fast it *might* catch fire.

I sold my grid driven 4CX1000A amplifier several years ago. I drove it with my Argonaut which makes 2.5 watts. It put out 1500 watts key down. So I can't run an experiment.

This antenna can be tested with a 100 watt transmitter and I think the same Transmission Line will not suffer any damage.

It's true that this antenna is well known not to work on 160 meters. But for the question, can high power damage a Transmission Line? The answer is yes.

Date: Wed, 4 Sep 2002 21:15:29 -0400
From: "N8IE" <n8ie@woh.rr.com>
To: "QRP-1" <qrp-1@lehigh.edu>
Subject: [134226] OT: Non-RS related
Message-ID: <MMEDLKDLONJOAIGICDJAKEIGDDAA.n8ie@woh.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Sorry to post a non-Radio Shack related message, but I was wondering if anyone does qrp any more?

72, oo
Dan, N8IE
FPqrp #-6, QRP-1 #1404, FISTS #4985

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (<http://www.grisoft.com>).
Version: 6.0.381 / Virus Database: 214 - Release Date: 8/2/2002

Date: Wed, 04 Sep 2002 21:20:07 -0400

From: Paul Womble <pwomble1@tampabay.rr.com>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [134227] Re: OT: Non-RS related
Message-ID: <3D76B147.CF77DE9B@tampabay.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

You mean to tell me that somewhere around here is a qrp list?

Quit your foolin'...

Paul K4FB

Date: Wed, 4 Sep 2002 21:26:57 -0400
From: "gergea" <w4gfa@bellsouth.net>
To: <qrp-l@lehigh.edu>
Subject: [134228] Re: NASA Unsubscribe
Message-ID: <002501c2547b\$538daea0\$33a74ed8@z7r3k8>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Ed,
I enjoy the NASA material. So much that I have subscribed myself.
OFF TOPIC? I hardly think so. QRP success and propagation are simply
indivisible!

George Allgood
W4GFA
Walhalla, SC

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (<http://www.grisoft.com>).
Version: 6.0.384 / Virus Database: 216 - Release Date: 8/21/02

Date: Wed, 04 Sep 2002 21:27:40 -0400
From: "W3CDE Jerry L." <w3cde@bellsouth.net>
To: n8ie@woh.rr.com

Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [134229] Re: OT: Non-RS related
Message-ID: <3D76B30C.B5E9E4B1@bellsouth.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Whats that ???

Jerry

N8IE wrote:

>
> Sorry to post a non-Radio Shack related message, but I was wondering if
> anyone does qrp any more?
>
> 72, oo
> Dan, N8IE
> FPqrp #-6, QRP-l #1404, FISTS #4985
> ---
> Outgoing mail is certified Virus Free.
> Checked by AVG anti-virus system (<http://www.grisoft.com>).
> Version: 6.0.381 / Virus Database: 214 - Release Date: 8/2/2002

Date: Wed, 04 Sep 2002 21:27:52 -0400
From: Dave Fouchey <dafouchey@comcast.net>
To: pwomble1@tampabay.rr.com,
Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [134230] Re: OT: Non-RS related
Message-ID: <4.1.20020904212652.009496e0@localhost>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

Well at least the spiders & snakes thread is pertinent to those who do
their QRP-ing in the Back Country.

Dave WA4EMR

At 09:20 PM 9/4/02 -0400, Paul Womble wrote:

>You mean to tell me that somewhere around here is a qrp list?
>
>Quit your foolin'...
>

>Paul K4FB

Date: Wed, 4 Sep 2002 18:44:57 -0700
From: "John McClain" <digi2@earthlink.net>
To: <n8ie@woh.rr.com>,
 "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [134231] Re: Non-RS related
Message-ID: <005b01c2547d\$d84d8780\$6501a8c0@phoenix.speedchoice.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Did you ever hear the one about the guy who got bit by a snake in a
Radio Shack store and died because the salesman didn't know what to
do?

John
K7SVV
K2 #2569
SST 20
Rock Mite 20

----- Original Message -----
From: "N8IE" <n8ie@woh.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Wednesday, September 04, 2002 6:15 PM
Subject: OT: Non-RS related

> Sorry to post a non-Radio Shack related message, but I was wondering
if
> anyone does qrp any more?
>
> 72, oo
> Dan, N8IE
> FPqrp #-6, QRP-1 #1404, FISTS #4985
> ---
> Outgoing mail is certified Virus Free.
> Checked by AVG anti-virus system (<http://www.grisoft.com>).
> Version: 6.0.381 / Virus Database: 214 - Release Date: 8/2/2002
>

Date: Wed, 04 Sep 2002 21:58:52 -0400
From: "Charles Mabbott" <aa8vs@msn.com>
To: fpqrp-1@mpna.com, qrp-1@lehigh.edu
Subject: [134232] INteresting page SGC 239 / FT 817
Message-ID: <F11fBT5zkDX64kDn9cv00000b9b@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Thought this was interesting from SGC web page/ newsletter.

SG-239 Smartuner and FT817 VSWR Solution
"The Hidden Menu"
Hi,

I had problems using the SG-239 Smartuner with the FT817 since the VSWR protection on this low power RIG is a bit aggressive, the cure is to access the "Hidden Menu", on the FT817, and adjust the HF1-RV to HF3-RV parameters (menu 62,63,64), mine were set to 8,11,21 after some experimenting these were set to 20,25, and 30. This allows more power to the load under load mismatch. These settings should be generally safe for use without the SG-239 Smartuner in circuit. This mismatch times with the SG-239 Smartuner in circuit are short so power dissipation is not a problem, but may need considering if the FT817 is to be operated into poorly matched load for extended periods.

The "Hidden Menu" is accessed by turning the rig off, hold down keys A, B, and C whilst turning the rig back on. To exit the menu hold down the F (function) key for a couple of seconds.

Thought this information may be helpful to some of your other customers.

Best Regards,

Robert Stephen, G0MYX

73 oo
Chuck AA8VS

"If your not part of the solution,
there is good money to be made
prolonging the problem."

<http://68.43.100.7:81/aa8vs>

MSN Photos is the easiest way to share and print your photos:
<http://photos.msn.com/support/worldwide.aspx>

Date: Wed, 4 Sep 2002 21:04:48 -0500
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: "Bruce Rattray" <rattray@gpfn.sk.ca>
Cc: <qrp-1@lehigh.edu>
Subject: [134233] Belden coax
Message-ID: <00bf01c25480\$9d27bf10\$4e100a0a@rohredt2000>

Bruce,
Belden does not list a 3214 coax cable in its Master catalog. However, could the leading figure be abraded and is actually an "8"? 8214 is a RG 8/U type PVC cable of 50 ohm, 26 pf per foot, 300 volts maximum, and good over -40 degrees C to plus 80 C.

None of their coaxes currently in catalog are in 3xxx series.

72, Stuart K5KVH

Date: Wed, 4 Sep 2002 22:02:53 -0400
From: "Mike Yettsko" <myetsko@insydesw.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [134234] Re: Radio Shack comment too....
Message-ID: <003b01c25480\$65ea5bc0\$0300a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I think one of the big problems is the parts inventory required.

When it was tubes, there was a 'tube standard' inventory list. Then a transistor standard inventory, then an IC standard inventory.

But now, I think more than at any other time in the recent past, it's tough to provide a 'standard inventory' that's reasonable. By

reasonable, I mean that would have a likely chance of fulfilling what a hobbyist coming through the door would need and at the same time be a manageably small assortment or variety.

Looking at ALL the electronics hobbyists, not just HAM, what kind of inventory assortment would keep everybody happy. It's tough!

Mike

Date: Wed, 4 Sep 2002 19:08:43 -0700 (PDT)
From: Bill ROWLETT <kc4atu@yahoo.com>
To: n8ie@woh.rr.com,
Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [134235] Re: OT: Non-RS related
Message-ID: <20020905020843.67096.qmail@web14201.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

You can allways tell when the bands may not be real great shape, the OT post get a little out of hand.

73 Bill kc4atu

Do You Yahoo!?
Yahoo! Finance - Get real-time stock quotes
<http://finance.yahoo.com>

Date: Wed, 4 Sep 2002 21:12:57 -0500
From: "Tim, N9PUZ" <n9puz@arrl.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [134236] Re: INteresting page SGC 239 / FT 817
Message-ID: <200209050208.VAA31072@steel.eosinc.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: quoted-printable

On Wed, 04 Sep 2002 21:58:52 -0400, Charles Mabbott wrote:

>SG-239 Smartuner and FT817 VSWR Solution
>"The Hidden Menu"

>=A0=A0I had problems using the SG-239 Smartuner with the FT817 since=

the VSWR
>protection on this low power RIG is a bit aggressive, the cure=
is to access
>the "Hidden Menu", on the FT817, and adjust the HF1-RV to HF3-RV=
parameters
>(menu 62,63,64), mine were set to 8,11,21 after some=
experimenting these
>were set to 20,25, and 30. This allows more power to the load=
under load

Chuck --

Are the new settings you chose documented somewhere or did you=
just experiment until it tuned more reliably?

Tim, N9PUZ

Learn About Amateur Radio: <http://www.arrl.org/hamradio.html>

Date: Wed, 4 Sep 2002 19:27:46 -0700
From: "Jim Pruitt" <wa7duy@charter.net>
To: <guyg@bellatlantic.net>
Cc: <qrp-l@lehigh.edu>
Subject: [134237] Re: NE567 decoder chip
Message-ID: <005601c25483\$d3fcbc40\$6401a8c0@knnwck.wa.charter.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Try BG Micro. NE567 their part number ICSNE567 at \$.49 each on page 5 at
<http://www.bgmicro.com/pdf/page5.pdf>
or just go to <http://www.bgmicro.com> and select the "shop online" tab and
put in NE567 in the search box and up it pops. Then add them to your
shopping cart. They have a few common discontinued items and the price is
usually good if they have it.

Good luck.

Jim Pruitt

----- Original Message -----

From: "guyg" <guyg@bellatlantic.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Wednesday, September 04, 2002 5:49 PM

Subject: NE567 decoder chip

> Hello,
> I would like to build a N5FC zerobeat indicator.I am having a hard
> time finding NE567,LM567 or SE567
> PLL decoder chips.I've tried radioshack and Mouser's
> catalog but can't locate this chip.If someone on the list
> has a few (or 1!) to trade or sell,I'm interested.Otherwise,
> if someone knows where to look,I 'd appreciate any info.
> Thanks and 73,Guy kb3ckw
>
>

Date: Wed, 4 Sep 2002 21:43:06 -0500
From: "Michael Melland" <w9wis@charter.net>
To: <guyg@bellatlantic.net>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [134238] Re: NE567 decoder chip
Message-ID: <000501c25485\$f6f48a00\$3f20be42@computer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Think I have some.... send me ur address and I'll send you one.

Mike, W9WIS

Date: Wed, 04 Sep 2002 22:08:41 -0500
From: "George, W5YR" <w5yr@att.net>
To: k5di@zianet.com
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [134239] Re: ARRL Antenna Book 19th Edition
Message-ID: <3D76CAB9.B31ED690@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Let's take Karl's figures a little further and try to estimate the likelihood of damaging the 450-ohm ladderline (#16 wire) with 1500 watts input and an SWR of 793 on 160 meters (!). (That SWR sounds awfully high, but that is what Karl found.)

If the line were flat - terminated in $450 + j0$ - 1500 watts would cause a current of 1.826 amps to flow and a voltage of 821 volts to be developed across the line. That comes from $P = I^2 \cdot R$ so $I = \sqrt{1500/450} = 1.826$ amps, and $P = E \cdot I = 1500/1.826 = 821$ volts. Remember that these are rms values.

Due to the standing wave, the current maxima will be increased by the square root of the SWR which is $\sqrt{793} = 28.2$.

In other words, as Karl points out, the current is not uniform throughout the length of the line but has maxima and minima. And so does the voltage . . .

At the current maxima, the rms current will be $1.826 \text{ a} \times 28.2 = 51.4$ amps.

Similarly for the voltage; at voltage maxima the rms voltage will be $821 \times 28.2 = 23,152$ volts.

The peak current will be 1.414 times greater than rms or 72.7 amps. Quite a load for #16 wire, eh?

Well, it turns out that, believe it or not, the fusing current for #16 is a mighty 117 amps! So, the wire is not going to melt, even on 160 meters. But it is going to get pretty warm!

Let's look again at that voltage . . . the rms at a voltage maxima was a whopping 23,152 volts. But the peak value is 1.414 times greater so the line will have to bear line-to-line peak voltage as high as 32,737 volts.

Fortunately the current and voltage maxima are separated by 1/4-wavelength along a transmission line so both do not occur at the same point on the line. But, the line is only 100 feet long in this example and that is only 0.2045 wavelengths of line. Thus, the line cannot accommodate a single full quarter-wave section to support both a current maximum and a voltage maximum.

So, where will either the current or the voltage maximum occur? Depends on the load impedance, of course. I'll leave it as an exercise for the reader to figure that part out, but the key point is that either one *could* occur at or near the output terminals of the tuner. Maybe this sort of thing is why so many of these "3 KW" tuners meet their Maker on 160 meters when short antennas are being used.

Well, clearly, this is an tough situation, as the Antenna Book explains in terms of the large SWR. What isn't stated are the figures above which look in more detail as to the consequences of pushing 1500 watts into a line with such a huge SWR. The peak current levels fall short of actually causing the wire to fuse or burn out. But, what about the insulation of ordinary commercial 450-ohm ladder line with 1" spacing? Can it handle a peak of over 32,000 volts?

I can't find the voltage rating for commercial ladderline in any of my references, so I can't give an answer. But, at sea level in standard atmosphere, voltage breakover is in the order of 30,000 peak volts per centimeter. So, if 450-ohm ladderline is 1" center to center for the wires, that is 2.54 cm which should support about 75,000 peak volts subject to the effects of the insulation on arcing. Our example develops just under 33,000 peak volts at the voltage maximum. Even taking the worst case of peak-to-peak voltage, that is only 66,000 volts which still leaves a small margin.

So, will the line "burn up?" Still don't know, but clearly there will be one heck of a flashover *if* somewhere along that line the peak voltage exceeds the wire-to-wire rating with polyethylene insulation. The numbers suggest that the line will take it, but I don't think that I would want to find out! <:}

73/72, George

Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR - the Yellow Rose of Texas
In the 57th year and it just keeps getting better!

"Karl F. Larsen" wrote:

```
>
> Hi Ed, here is my calculations. Same software....
>
>       OK guys I fired up Transmission Lines Details and put into it the
> conditions that exist if you use a 100 foot dipole on 1.83 MHz with a 100
> foot Transmission Line. The data is in Table 1, page 26-2 of the 19th ARRL
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> Power input: 1500 watts
> Transmission Line: 450 ohm windowed 1 inch wide ribbon.
> SWR: 792.9
> Antenna feed point impedance: 4.5 -j1673
> Power losses:
>       Conductor: 5.23 Watts
>       SWR: 1317.41 Watts
>       Diel: 0.06 Watts
>       Total loss: 1322.7 Watts
```


> Line length: 0.2045 Lamba

Date: Wed, 4 Sep 2002 22:03:16 -0500
From: "Tim, N9PUZ" <n9puz@arrl.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [134240] Re: INteresting page SGC 239 / FT 817
Message-ID: <200209050306.WAA20536@gallium.eosinc.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: quoted-printable

On Wed, 04 Sep 2002 21:12:57 -0500, Tim, N9PUZ wrote:

>>the "Hidden Menu", on the FT817, and adjust the HF1-RV to=
HF3-RV parameters
>>(menu 62,63,64), mine were set to 8,11,21 after some=
experimenting these
>>were set to 20,25, and 30. This allows more power to the load=
under load
>
>Chuck --
>
>Are the new settings you chose documented somewhere or did you=
just experiment until it tuned more reliably?

..and now if I'd just read the original message more carefully I=
wouldn't have had to ask. Could be I've been up too long today,=
might also be snake bite, an improperly fueled backpacking=
stove, or the fact my local Radio Shack is closed at this hour.

For what it's worth, my original settings were different and I=
started by increasing them by 5 units and the SG-239 here seems=
to kick in and tune much, much better.

Tim, N9PUZ
Learn About Amateur Radio: <http://www.arrl.org/hamradio.html>

Date: Wed, 04 Sep 2002 22:14:22 -0500
From: "George, W5YR" <w5yr@att.net>
To: marsgal42@hotmail.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>

Subject: [134241] Re: RS Bashing (food for thought).
Message-ID: <3D76CC0E.7AB9FB14@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Those of us old enough and fortunate enough to be in the Boston area in the mid-50's will recall Saturday mornings spent at the one and only original Radio Shack at 167 Washington Street. What a dreamland for a young ham! Every make and model of rig and every part you could imagine.

As a struggling grad student with little or no money to spend on radio, my enjoyment came from "visiting" and tire kicking, so I have no real memory of their business practices in those days.

But, today's Radio Shack stores serve the need for convenience and despite the occasional service difficulty or "out of stock" situation, I hope that they "live long and prosper!"

73/72, George
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR - the Yellow Rose of Texas
In the 57th year and it just keeps getting better!

laura halliday wrote:

> Outfits like Radio Shack aren't charities: they are
> in business to make money. And just because they have
> done business in a particular way in the past in no
> way obligates them to continue to do so, in perpetuity.

Date: Wed, 4 Sep 2002 21:21:18 -0600
From: "Rod N0RC" <rod@n0rc.us>
To: <kc4atu@yahoo.com>,
 "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [134242] Re: OT: Non-RS related
Message-ID: <005201c2548b\$4d9f5470\$6601a8c0@BIGDOG>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Bill,

Good point! So now we can say that the Solar Flux Index is inversely

proportional to OT posts. Stated another way:

$$\text{SFI} = k \frac{1}{\text{QRP-LotP}}$$

The trick is figuring out the proportionality constant "k".

73, Rod N0RC

----- Original Message -----

From: "Bill ROWLETT" <kc4atu@yahoo.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Wednesday, September 04, 2002 8:08 PM
Subject: Re: OT: Non-RS related

> You can allways tell when the bands may not be real
> great shape, the OT post get a little out of hand.
>

Date: Wed, 4 Sep 2002 22:21:49 -0500
From: "Mark Andrews \((KE4IOF)\)" <KE4IOF@ke4iof.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [134243] Re: OT: Non-RS related
Message-ID: <00cb01c2548b\$633bdc90\$94defea9@carrera>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

And then the list police come out and use an off-topic post to tell us all
how off-topic we are...

Mark

Mark A. Andrews, KE4IOF
QRP-L 146, QRP-ARCI 10574, QRPp-I 217

----- Original Message -----

From: "Bill ROWLETT" <kc4atu@yahoo.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Wednesday, September 04, 2002 9:08 PM
Subject: Re: OT: Non-RS related

> You can allways tell when the bands may not be real
> great shape, the OT post get a little out of hand.
>
> 73 Bill kc4atu
>
> -----
> Do You Yahoo!?
> Yahoo! Finance - Get real-time stock quotes
> <http://finance.yahoo.com>

Date: Wed, 04 Sep 2002 23:23:25 -0400
From: guyg <guyg@bellatlantic.net>
To: "qrp-l@Lehigh.EDU" <qrp-l@lehigh.edu>
Subject: [134244] NE567-Thank You
Message-ID: <3D76CE2D.D6896035@bellatlantic.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello ,

I think I have the info I need on the NE567 decoder.I even had an offer for a free chip from Mike,W9WIS!
Thanks, Dave ,Jim,Mike etal.Nice bunch,these qrp peoples :).

Date: Thu, 5 Sep 2002 01:06:27 -0400
From: "Ben Pfeiffer" <bpfeiffer@tusco.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [134245] Re: OT: Non-RS related
Message-ID: <001801c25499\$fe74eb80\$f8ae0540@benpfeif>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

<<Sorry to post a non-Radio Shack related message, but I was wondering if anyone does qrp any more?>>

Well put Dan, I do, and some of it is done with stuff built or repaired with parts from RS. But then I guess some folks would rather b***h order and

wait, rather than pick up a few needed parts today at the local store, oh well. Hope we can get back to QRP and QRP alcohol stoves, now those are pretty neat, I have to have one.

Not only good for QRP in the field, but great for a cold day on the trout stream.

I don't suppose the b***ers will read this or even care if they do read it Dan, but then we can always delete them. Some are already on my "don't read list" anyhow.

72..de..ka8lle..Ben

BTW: Our local RS guy always gives us some door prizes for the local Hamfest. I bet if he read much QRP-L he wouldn't be so generous.

Date: Wed, 4 Sep 2002 22:31:32 -0500
From: "Brian" <brian@iquest.net>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [134246] Rock Mite Question
Message-ID: <002601c2548c\$bb761d70\$eb612bd1@bmurrey2K>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have my Rockmite kit in hand...and I'm studying the docs and reading Rod's wonderful website and I have to ask....

Is anyone buying the kit, and then building it ugly/manhattan style?

I find for me, adding mods to a PCB kit is usually a disaster. I'm not good at it. However, adding mods to a PCB ugly project, well, it's just simpler for me.

If there is a Manhattan Rock Mite, I'd like to see it.

Thanks

73 de KB9BVN

=====
KB9BVN/QRP - New Whiteland IN - EM69WN
QRP-ARCI #10223 QRP-L #1540 FIST #5695

FISTS CC #764 - Proud Member ARRL
HEATH HW-9 @ 2W or NORCAL 40A @ 1.3W
INTO INFAMOUS AF4PS ATTIC DIPOLE
SOC #400 AND FLYING PIGS QRP #-57
=====

Date: Wed, 4 Sep 2002 23:56:08 -0400
From: "Larry Spinner" <n2icz@hotmail.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [134247] Re: Trade please?
Message-ID: <OE76R9sy6mmgZzWD66100003d81@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks to all who responded. I made a nice trade... Thanks.

----- Original Message -----

From: "Larry Spinner" <n2icz@hotmail.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Wednesday, September 04, 2002 2:12 PM
Subject: Trade please?

> Hi.

>

> I would like to trade my Grundig Yacht Boy 400PE Worldband Receiver for
> either an OHR100 or SW+ series 30 meter QRP rig.

Date: Thu, 05 Sep 2002 00:03:45 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: KE4IOF@ke4iof.com
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [134248] Re: OT: Non-RS related
Message-ID: <3D76D7A1.C51746C9@erols.com>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Well, I don't know how OT this thread is, Frankly I have been deleting them as fast as they appear. There are lots of parse sources around. Maybe the problem is that there aren't many that are open evenings and weekends!

I am sure we have all experienced poor customer service at Radio Shack. It is to be expected, they are not hiring parts persons, they are hiring computer salesmen! If you want bad customer service go to any fast food restaurant! Most of them cannot speak English well enough to understand what you are asking for!

You guys should cultivate other parts sources for yourselves!

73

>
> And then the list police come out and use an off-topic post to tell us all
> how off-topic we are...
>

Date: Wed, 4 Sep 2002 21:08:47 -0700
From: "Doug Hauff" <dhauff@digitalputty.com>
To: <qrp-1@lehigh.edu>
Subject: [134249] Narrow N/C paddle shipping
Message-ID: <001701c25492\$0b1fff80\$31393442@fix.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I had not realized that Doug included bearings in his announcement about the narrow norcal paddles. I don't even have enough left over, so must buy more and drill them out...(and they are not as cheap when you don't buy 1,000 at a time!)...as well as finishing the paddles themselves....so please be patient and give me time to get these together, i am rather busy!

72, Doug Hauff KE6RIE

Date: Wed, 04 Sep 2002 22:40:35
From: Tim and Michele Groat <tmgroat@peakpeak.com>

To: qrp-1@lehigh.edu
Subject: [134250] Re: Ni-cad?
Message-ID: <3.0.3.16.20020904224035.11c7c872@peakpeak.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

No, don't run your "Gel-Cell" down until it's flat (nor any other lead-acid battery, sealed or standard). Going to low voltage encourages sulphation, which reduces the battery's capacity and service life.

Stop discharging at 10.5-11.0V (for a 12V battery), 1.75-1.83 V per cell. There is little capacity to gain and much damage to be done by going further.

It's best to limit discharge to 50% of capacity, which occurs at about 12V (at moderate loads). This more than doubles the total number of cycles you can get from the battery before wearing it out, so it's more economical to run them in the top half of the charge-discharge curve. 12.0V (open circuit) is also the point where batteries in storage must be recharged, though it's best to do so before the voltage gets that low.

The total discharge for Ni-Cd batteries is done to avoid "memory effect", which doesn't happen to lead-acid batteries. Ni-Cd batteries recover well from the total discharge, but lead-acid batteries can be ruined quickly that way. Keep that Gel-cell charged up!

72/73,

Tim (KR0U)

"W2WU" <w2wurjj@verizon.net>:

> Does the method applied to Gel-Cells apply to Ni-Cads? I've been taught to
> run a Ni-cad flat before charging & high current charging is detrimental.
> Suggestions for Wall Wart users? 73, Ron W2WU

Date: Thu, 5 Sep 2002 00:18:37 -0500
From: "Max Moon" <maxmoon@umn.edu>
To: <qrp-1@lehigh.edu>
Subject: [134251] RS Bashing
Message-ID: <001201c2549b\$b16d7580\$9739fea9@computer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Like most of you, I've run into clerks at RS who don't know anything about what I happen to have asked for. But then I tend to generalize from that fact and assume they're universally ignorant. But they are not cosmic morons. Afterall, I'm not asking them about their own interests, or even what they do most of the day at work. They certainly know more than I about the bulk of their job, whether it's cordless or cell phones, or digital cameras, or micro-recorders, or satellite hook-ups, or any of the rest of the stuff in there that I walk blindly past on my way to the farthest corner of the store where I will find 50 diodes for \$2.49. In other words, they are main stream, not I, and I'll be a happier chap if I remember it. (And that notwithstanding, some of them can answer my questions, too.)

>From a different perspective, I can go to my local Ford or Chevy dealer and buy parts for a car I'm building up or fixing. But I don't expect their showroom salesmen to be able to tell me how to replace a serpentine belt or which pads I need for the front brakes on a '97 Impala. Nor could they tell me where to find what I want on the shelves. And there's no guarantee at all that the person who hands me what I want, back at the parts counter, can tell me how to install it or adjust it.

While we're on this topic, yesterday I went to my local RS and they've finished the shift from blister-pacs to cabinets. It is much easier to find things now--the drawers, both outside and inside, are well marked. It looks like they've got the same inventory in a smaller area than before. And when they change their packaging so it's designed for drawers (rather than peg-boards), it ought to be even better.

Now, it's getting late, and I've got an order to phone in to Mouser so--

72s,

Max, k0max

Date: Thu, 5 Sep 2002 01:26:46 -0400 (EDT)
From: "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>
To: Max Moon <maxmoon@umn.edu>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [134252] Re: RS Bashing
Message-ID: <Pine.LNX.4.44.0209050111270.22588-1000000@w3eax.umd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

A friend of mine at work (now an EE) used to work at RS. He tells horrific stories of an environment that actually seemed to reward ignorance and stupidity in those who worked there.

Not that every store is alike - I used to have a favorite RS store where the manager - his name was Dave - actually was quite well versed in about everything they sold at the store, and even knew the RS Unlimited catalog pretty well. We could actually have an intelligent talk about N connectors and cross-referencing of components and such.

Anyway, my friend at work wasn't lucky enough to work for Dave, and it so infuriated and frustrated him to work in such an environment that he quit after about a year and went back to school to get his EE degree.

As always, YMMV. I still do shop at Radio Shack...

--

Scott Rosenfeld ARS N7JI
541-684-9970 Eugene, OR Land o' much rain
If you find me on the air, I'm probably in my car
ham@w3eax.umd.edu <http://w3eax.umd.edu/~ham>

Date: Thu, 5 Sep 2002 00:29:45 -0700 (PDT)
From: joe living <jliving2001@yahoo.com>
To: qrp-l@lehigh.edu
Subject: [134253] hawaii
Message-ID: <20020905072945.3706.qmail@web10608.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Dear QRP'ers

I just moved from New Orleans to Wailuku on the island of Maui. I just put up a loop hidden under the eave of my roof and it seems to work well on 20 meters and above. I've just been here a few weeks so I have'nt gotten used to the propagation yet.

The solstice is coming up so propagation should improve. I run 5 watts exclusively and have been an avid qrp'er for years. If anyone would like to set up a sked, let me know!

Aloha

Joe W3GW/KH6
QRP ARCI 5440

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<http://finance.yahoo.com>

Date: Thu, 5 Sep 2002 00:51:23 -0700
From: "IT2 John Dooley" <portscom@hotmail.com>
To: "List Lehigh.EDU" <qrp-l@lehigh.edu>
Subject: [134254] CPSC, Fluke Corp. Announce Recall of Digital Multimeters
Message-ID: <OE74B78FNBjyG7fX8540001eff3@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

My boss forwarded this from the Naval Facilities Engineering Command,
Hope everyone will pass this on to friends and co-workers, also check this
page on my web site for CPSC Recall Hotline and Fluke Recall Hotline:
<http://www.qsl.net/w6zip/Fluke%20Recall.htm>

<Recalled Fluke digital multimeters measure up to 1,000 volts alternating
current (VAC) and direct current (VDC). "Fluke" and "175", "177" or "179"
are written on the front of the unit. The tester body is yellow and black,
and measures about 7.25-inches long by 3.5-inches wide. Recalled units have
a serial number below 790000000. The serial number is written on the back of
the instrument under the hinged stand. >

John W6ZIP
Victorville, Ca.

Date: Thu, 5 Sep 2002 01:31:04 -0700
From: "Trevor Jacobs" <kg6cyn@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [134255] OT: Lighting Dimentions International 2002 Las Vegas...
Message-ID: <003301c254b6\$941e7400\$b70cf4d8@tjacobs>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Gang,

Looks like I may be attending the LDI convention this year in Las Vegas,
NV in October, and wondered if any of you on the list are either in the

industry and are going or if there are any QRPers in Vegas that'd like to hook up for a lunch or something. Would be a nice break from the convention. Thanks for the band width!

73's Trev KG6CYN

<http://home.earthlink.net/~kg6cyn>

<http://www.qsl.net/kg6cyn>

Date: Thu, 5 Sep 2002 07:54:46 -0400
From: wkhibbert@juno.com
To: qrp-1@lehigh.edu
Subject: [134256] QRPp Beacon on 15 Meters
Message-ID: <20020905.075448.-404637.0.wkhibbert@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi. Keith here in the Depths of the Great Bergen Swamp

I am forwarding this from the HF Beacon list as it is not only QRP, but milliwatt QRP.

73, Wm. Keith Hibbert, WB2VUO, TC/WNY ARRL Section
President, Brockport Amateur Radio Klub
"My night light runs more power than my Rig!!!"

-----15M_Beacon.txt-----
From: "Vern Smith" <tvs@nb.sympatico.ca>
To: <hfbeacons@explore.plus.com>
Subject: New 15 Meter Beacon
Date: Wed, 4 Sep 2002 16:21:16 -0300

Hello Gang:

This little note is to inform you that I have a new 15 Meter beacon on the air on 21.145 mhz. The power output is approx. 225 miliwatts to a dipole. The callsign is VE9BEA/B and identifies continuously. The location is Crabbe Mountain (elev 400 meters asl) in the central part of our Eastern Canadian Province of New Brunswick. Locator FN66.

The 10 meter beacon on 28.246 is also at this location and has been operating continuously for approx. 8 years also using the callsign VE9BEA/B.

I very much appreciate getting reports of the 10 meter beacon and as the new beacon is strictly in the experimental stage, reports of it being heard will be very interesting, informative and will contribute to future upgrading.

Thanks to all,

73, Vern VE9VS

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<http://dl.www.juno.com/get/web/>.

Date: Thu, 5 Sep 2002 05:55:54 -0500

From: Mark Fields <mark_ke5my@juno.com>

To: kc4atu@yahoo.com

Cc: qrp-1@lehigh.edu

Subject: [134257] Re: OT: Non-RS related

Message-ID: <20020905.071816.-147411.1.mark_ke5my@juno.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

The ham radio equivalent of cabin fever, maybe?

73, Mark

On Wed, 4 Sep 2002 19:08:43 -0700 (PDT) Bill ROWLETT <kc4atu@yahoo.com> writes:

> You can allways tell when the bands may not be real

> great shape, the OT post get a little out of hand.

>

> 73 Bill kc4atu

>

>

> -----
> Do You Yahoo!?

> Yahoo! Finance - Get real-time stock quotes

> <http://finance.yahoo.com>

>

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Date: Thu, 5 Sep 2002 08:24:23 -0700
From: "=?iso-8859-1?B?TthCUw==?" <n0bs@msn.com>
To: <qrp-1@lehigh.edu>
Subject: [134258] Index Labs QRP+ help?
Message-ID: <NFBKGFDFGLNKCKOKBBOCKEFCCPAA.n0bs@msn.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

While calling CQ last night with my Index Labs QRP Plus,
it suddenly decided to start sending all by itself - continuous
random garbage from the keyer - couldn't stop it, so I
just shut the unit off. Upon turning it back on, the rig
is non-functional. None of the controls work, cannot change
frequency, no response to buttons, very low audio on the
frequency it is stuck on. Seems like a logic device failure.
Has anyone else experienced anything like this? Any suggestions
on possible remedies will be appreciated, as will any possible
source of repair. I saw a post long ago that K7SY did repairs
on Index Labs stuff, but I cannot find an email addr for him.
TIA, Tom Moll N0BS

Date: Thu, 05 Sep 2002 09:29:49 -0400
From: Garey Barrell <k4oah@mindspring.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [134259] Re: RS Bashing
Message-ID: <5.1.0.14.0.20020905092730.00a21d90@pop.mindspring.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

In 1921, a London-born Bostonian by the name of Theodore Deutschmann opened
his first radio store, a block from the site of the Boston Massacre.
William Halligan, one of Deutschmann's first employees and later the
founder of Hallicrafters, suggested the name. Back then, Radio Shack
catered to hams and radio buffs - selling batteries and tubes by mail and
retail.

"Tandy's Money Machine: How Charles Tandy Built Radio Shack into the

World's Largest Electronics Chain", by Irvin Farman

Date: Thu, 5 Sep 2002 14:39:17 +0100
From: "Leon Heller" <leon_heller@hotmail.com>
To: "Low Power" <qrp-l@lehigh.edu>
Subject: [134260] Ladder filter PCB
Message-ID: <DAV16SWMHu3VUBY9wYZ0000c0a1@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I want to make some ladder filters with various bandwidths, so I've designed a little PCB for them. It's for a four-pole filter, with five shunt coupling capacitors. I've provided pads for two capacitors in each position, so that a close approximation to the design value can be achieved. Provision is also made for input and output broadband matching transformers. The PCB is single-sided with hatched copper pour ground. Size is about 2.5" by 1", with two mounting holes.

Two of these filters could be used on the input and output of the IF amplifier, improving the shape factor and reducing wideband noise.

I'll be putting details on my web page over the next couple of days.

Leon Heller, G1HSM
leon_heller@hotmail.com
http://www.geocities.com/leon_heller

Date: Thu, 05 Sep 2002 06:48:58 -0700
From: pmurphy <w6wy@citlink.net>
To: qrp-l@lehigh.edu
Subject: [134261] OT: o'scope trace width question
Message-ID: <5.0.2.1.0.20020905064245.00a60b70@pop3.norton.antivirus>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hi gang:

I have a chance to buy a Tek 465B but only problem is the trace width is only about 70% of the screen. I can't get it to widen unless I hit the 10x magnification button. So..... Is the CRT ready to go? Is there an adjustment I don't know about? (very possible). Should I pass this one up altogether?

Thanks in advance---Pete W6WY nr Redding CA

Date: Thu, 5 Sep 2002 08:07:03 -0600
From: "Rod N0RC" <rod@n0rc.us>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>,
"cqc-1" <CQCLIST@yahoogroups.com>
Subject: [134262] UPDATED: the "Rock-Mite" files
Message-ID: <016501c254e5\$833c3440\$6401a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Folks,

Another offering in the "Rock-Pile" check out Jim's clever packaging.

On your next visit to the Rock-Pile, take a look at the 24 offerings currently there. Notice the packaging variety, we have a lot of creative people out there. Even if you are not building a Rock-Mite, you can get some nifty ideas for whatever project you are working on. And, if you are waffling on whether or not to build a Rock-Mite (or any other project), you just might find the inspiration to get started.

73, Rod N0RC

Date: Thu, 05 Sep 2002 10:08:15 -0400
From: john <john@wagner-usa.net>
To: brian@iquest.net
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [134263] Re: Rock Mite Question
Message-ID: <3D77654F.5030803@wagner-usa.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Great minds must run in the same gutter... ;)

My order for a 20m RM just went in the mailbox this morning. When it arrives I'll probably build it Manhattan style for the reasons you mentioned + I like the manhattan look better.

Pics when it happens.

73,

John, N1Q0

Brian wrote:

> I have my Rockmite kit in hand...and I'm studying the docs and reading
> Rod's wonderful website and I have to ask....

>

> Is anyone buying the kit, and then building it ugly/manhattan style?

>

> I find for me, adding mods to a PCB kit is usually a disaster. I'm
> not good at it. However, adding mods to a PCB ugly project, well,
> it's just simpler for me.

>

> If there is a Manhattan Rock Mite, I'd like to see it.

>

> Thanks

>

> 73 de KB9BVN

>

>

> =====

> KB9BVN/QRP - New Whiteland IN - EM69WN

> QRP-ARCI #10223 QRP-L #1540 FIST #5695

> FISTS CC #764 - Proud Member ARRL

> HEATH HW-9 @ 2W or NORCAL 40A @ 1.3W

> INTO INFAMOUS AF4PS ATTIC DIPOLE

> SOC #400 AND FLYING PIGS QRP #-57

> =====

>

>

>

>

>

>

>

>

--

John Wagner - john@wagner-usa.net

Web page: <http://www.neknetwork.com>

Date: Thu, 5 Sep 2002 07:17:19 -0700 (PDT)

From: Patrick Gardella <pgardella@yahoo.com>
To: qrp-1 <qrp-1@lehigh.edu>
Subject: [134264] Favorite low loss coax?
Message-ID: <20020905141719.31507.qmail@web40204.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

I'm running new antenna cabling to minimize line losses (40-10, no VHF/UHF).
Belden 9913 and
LMR-400 (0.8 and 0.7 dB/100ft@30MHz respectively) both look pretty good and I can
find them for
around \$.59/ft.

Are there better low loss coax cables (no larger than an RG-213 size)? That don't
cost a fortune,
of course!

73,
Patrick
N3EO

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Date: Thu, 5 Sep 2002 08:54:00 -0600
From: William R Colbert <w5xe@juno.com>
To: n0bs@msn.com, qrp-1@lehigh.edu
Subject: [134265] Re: Index Labs QRP+ help?
Message-ID: <20020905.085401.-313597.0.w5xe@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

If no one mentioned it, Stan K7SY became SK in
May. No one from the original Index Lab location
is left to do any of the work that I know of. Maybe
the DL group out of Berlin can help since they got
as bunch as kits and put them together.

Sorry to hear about the problems.

73
Ray
It is amazing what you can accomplish if you do not

care who gets the credit. HST
Ray Colbert, W5XE, 00TC#3618, SOWP#1064M
NARTE-NCT2R FP# 111, SOC#78, QRP-ARCI 5784,
El Paso, (FAR WEST) TEXAS

Date: Thu, 05 Sep 2002 09:12:48 -0600
From: Larry East <w1hue@amsat.org>
To: qrp-l@lehigh.edu
Subject: [134266] FS: GAP 4-band Vertical Ant.
Message-ID: <5.1.0.14.2.20020905091031.020124c0@mail.ida.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Are you looking for a good low-band HF antenna?
Do you live within easy driving distance of Idaho Falls, ID?

If you answered "yes" to both of the above, then check out
<http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=1378376371&rd=1>

Date: Thu, 05 Sep 2002 15:39:16 +0000
From: "Leon Heller" <leon_heller@hotmail.com>
To: w6wy@citlink.net, qrp-l@lehigh.edu
Subject: [134267] Re: OT: o'scope trace width question
Message-ID: <F53bSiPsbNtLTPeMAcs0001711a@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>From: pmurphy <w6wy@citlink.net>
>Reply-To: w6wy@citlink.net
>To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
>Subject: OT: o'scope trace width question
>Date: Thu, 05 Sep 2002 06:48:58 -0700
>
>Hi gang:
>I have a chance to buy a Tek 465B but only problem is the trace width is
>only about 70% of the screen. I can't get it to widen unless I hit the 10x
>magnification button. So..... Is the CRT ready to go? Is there an
>adjustment I don't know about? (very possible). Should I pass this one up
>altogether?
>Thanks in advance---Pete W6WY nr Redding CA

None of the scopes I've used have a control for the trace width. It's probably got a minor fault, or an internal preset needs tweaking.

73, Leon

--

Leon Heller, G1HSM Tel: +44 1424 14790

Email:leon_heller@hotmail.com

My web page: http://www.geocities.com/leon_heller

My low-cost Altera Flex design kit: <http://www.leonheller.com>

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<http://www.hotmail.com>

Date: Thu, 05 Sep 2002 11:39:43 -0400

From: Chuck Ludinsky <cjl@mitre.org>

To: neqrp@jonal.net, qrp-1@lehigh.edu

Subject: [134268] NEQRP CW Net, Thursday, 5 Sep 02, 08:30 PM EDT, 3.565 MHz

Message-ID: <3D777ABF.C62D094E@mitre.org>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

The New England QRP Club's 80M CW net, WQ1RP, will meet again on Thursday, 5 September 2002, at 8:30 PM EDT (00:30Z, 6 Sep 02) on or near 3.565 MHz. All hams are welcome. Net control operator will be Chuck, K1CL, operating from Chelmsford, MA.

With some QRN and QSB, we had an excellent turnout last week, with 11 folks participating in the net (unfortunately, I don't have the list with me at this time). Many of the comments related to the recent ARRL Convention/Meeting at Boxboro, MA, and on the various versions of the RockMite. An excellent net.

Thanks to everyone for QNI'ing last week, and hope to hear you again tonight.

72 DE K1CL,
Chuck

Date: Thu, 05 Sep 2002 11:43:13 -0400
From: "Michael Melland" <w9wis@charter.net>
To: pgardella@yahoo.com,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [134269] Re: Favorite low loss coax?
Message-ID: <web-3089709@dc-mxdb06.cluster1.charter.net>
MIME-Version: 1.0
Content-Type: text/plain; charset="ISO-8859-1"; format="flowed"
Content-Transfer-Encoding: 8bit

Well I'm VERY partial to Davis RF "Bury Flex" coax. I'ts quite similar to RG-214 but with lower loss and a really tough jacket that "really" is meant to be direct bury.

Steve Davis is also a ham and really is very helpful AND he will ship the cable right away and bill a fellow ham... then you can send payment. I don't think I'd ever be that trusting <grin>. BTW he also sells a custom woven antenna wire that is the best I've used too.... the company main focus is commercial radio stations etc. but he watches out for hams.

Web Site is: <http://www.davisrf.com>

I had big problems with installations of RG-213 etc with critters chewing holes every year through the jacket. My Bury Flex jacket is much tougher and apparently doesn't taste as good as it stayed outside for the past 4 years and only this summer did I have to trim a part of the unprotected cable on the antenna end. Wasn't bitten through but did show chewing attempts.

--
Michael Melland, W9WIS
Winneconne, WI USA

Date: Thu, 5 Sep 2002 08:50:00 -0700 (PDT)
From: Lloyd Lachow <llachow@yahoo.com>
To: qrp-l@lehigh.edu, "Li'l Piggies" <fpqrp-l@mpna.com>
Subject: [134270] Extracurricular Virgin Truffle tonite!!
Message-ID: <20020905155000.73101.qmail@web10005.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Yes, its me, Lefty Lloyd. I'm gonna give it a go...if
the Foxii get an eleventh shot at it, why not the
Swine What Am Fine?
I'll be at 14.0615 +/- at 0130Z, listening up abt. 1
or thereabouts.
See ya, see ya...

oo, wiiiigiiiiiii!!!

=====

73, Lloyd, K3ESE
K1 # 00379 - ARRL
ARS #1301 - FISTS #8774
FPqrp #476 - QRParci #11147
QRP-L #2415 - SOC #530
HGT #6'1 - Wgt #190 - BT #B-

Do You Yahoo!?

Yahoo! Finance - Get real-time stock quotes
<http://finance.yahoo.com>

Date: Thu, 5 Sep 2002 11:58:07 -0400
From: "Fancher, Mark (GEAE)" <Mark.Fancher@ae.ge.com>
To: "'w9wis@charter.net'" <w9wis@charter.net>,
Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [134271] RE: Favorite low loss coax?
Message-ID: <F9351DA9F0F6D41187410090277B3EB307D30743@ev008msxaege.ae.ge.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

I love that woven wire! Its not stiff at all - like using rope. I can only
assume the durability is much better than solid wire. I've had an antenna with
this stuff up over a year with no problems.

Mark, AA4MF

-----Original Message-----

From: Michael Melland [mailto:w9wis@charter.net]
Sent: Thursday, September 05, 2002 11:43 AM
To: Low Power Amateur Radio Discussion
Subject: Re: Favorite low loss coax?

Well I'm VERY partial to Davis RF "Bury Flex" coax. I'ts quite similar to RG-214 but with lower loss and a really tough jacket that "really" is meant to be direct bury.

Steve Davis is also a ham and really is very helpful AND he will ship the cable right away and bill a fellow ham... then you can send payment. I don't think I'd ever be that trusting <grin>. BTW he also sells a custom woven antenna wire that is the best I've used too.... the company main focus is commercial radio stations etc. but he watches out for hams.

Web Site is: <http://www.davisrf.com>

I had big problems with installations of RG-213 etc with critters chewing holes every year through the jacket. My Bury Flex jacket is much tougher and apparently doesn't taste as good as it stayed outside for the past 4 years and only this summer did I have to trim a part of the unprotected cable on the antenna end. Wasn't bitten through but did show chewing attempts.

--

Michael Melland, W9WIS
Winneconne, WI USA

Date: Thu, 05 Sep 2002 11:00:57 -0500
From: "George, W5YR" <w5yr@att.net>
To: w6wy@citlink.net
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [134272] Re: OT: o'scope trace width question
Message-ID: <3D777FB9.B3CD5E02@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Clearly not working right, Pete.

If the price is low enough, you could live with that provided that other problems don't exist. The 465B is an excellent instrument, and highly reliable, but they cost an arm and a leg to get worked on, and parts are very expensive, if available at all. If the trace is good and bright, the tube is probably OK.

If I were you, I would look around some more, unless this one is almost a gimmee.

73/72, George
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR - the Yellow Rose of Texas
In the 57th year and it just keeps getting better!

pmurphy wrote:

>
> Hi gang:
> I have a chance to buy a Tek 465B but only problem is the trace width is
> only about 70% of the screen. I can't get it to widen unless I hit the 10x
> magnification button. So..... Is the CRT ready to go? Is there an
> adjustment I don't know about? (very possible). Should I pass this one up
> altogether?
> Thanks in advance---Pete W6WY nr Redding CA

Date: Thu, 5 Sep 2002 09:03:46 -0700
From: George Fremin III - K5TR <geoiiii@kkn.net>
To: Michael Melland <w9wis@charter.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [134273] Re: Favorite low loss coax?
Message-ID: <20020905160346.GD8655@loja.kkn.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

On Thu, Sep 05, 2002 at 11:43:13AM -0400, Michael Melland wrote:
> Well I'm VERY partial to Davis RF "Bury Flex" coax. I'ts
> quite similar to RG-214 but with lower loss and a really

I agree - this is the coax I decided to use at my
new station. While I run hardline to the base of most of
the towers - I use Bury-Flex for all the rotor loops
and runs up the tower etc.

<http://www.davisrf.com/ham1/coax.htm#buryflex>

I have been very pleased with it so far.

http://www.kkn.net/~k5tr/blanco/k5tr_station.html

--

George Fremin III - K5TR

geoiii@kkn.net
http://www.kkn.net/~k5tr

Date: Thu, 5 Sep 2002 12:03:54 -0400
From: "Hartwell, Martin E, ALINF" <mehartwell@att.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [134274] rig for sale
Message-ID: <6579C6377F475547985F0B3E426E16260204DD82@OCCLUST01EVS1.ugd.att.com>
content-class: urn:content-classes:message
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: quoted-printable

Hi

Someone in one of the recent posts, I saw it in a digest, had a qrp+ and =
companion for=20
sale. Has it sold yet? Please respond off list.

Marty Hartwell kd8bj
mehartwell@att.com

AT&T Columbus Ohio
PH:614-501-2503

Date: Thu, 05 Sep 2002 12:07:42 -0400
From: W2AGN <w2agn@w2agn.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [134275] RE: Favorite low loss coax?
Message-ID: <3D77490E.31215.9760602@localhost>
MIME-version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

On 5 Sep 2002 at 11:58, Fancher, Mark (GEAE) wrote:

> I love that woven wire! Its not stiff at all - like using rope. I can only

> assume the durability is much better than solid wire. I've had an antenna with
> this stuff up over a year with no problems.

>

> Mark, AA4MF

I tried that woven wire, too, but didn't have such good luck with it. After it
came down the third time, I went back to Copperweld. Hard to handle, but lasts for
years. The

woven stuff was very sensitive to rubbing on branches, etc., which I can't really
avoid. (Maybe the squirrels "tasted" it, too?).

--

/ \ / \ / \ / \ / \ John L. Sielke
(W)(2)(A)(G)(N) <http://www.w2agn.net>
_ / _ / _ / _ / _ / QRP-ARCI, NJQRP, ARQrp, GQRP, RSGB
Ex- K3HLU, W7JEF, W4MPC, N4JS

Date: Thu, 5 Sep 2002 12:12:20 -0400 (EDT)
From: Chris Cartwright <ccart@phideaux.com>
To: QRPL List <qrp-l@lehigh.edu>
Subject: [134276] Re: Extracurricular Virgin Truffle tonite!!
Message-ID: <Pine.LNX.4.33.0209051204380.9736-100000@dns.phideaux.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 5 Sep 2002, Lloyd Lachow wrote:

> Yes, its me, Lefty Lloyd. I'm gonna give it a go.

Hmm... 50 miles away, do I take the chance that 5W groundwave will get
there, or use 1mW running /M from your driveway, and try to get home in
time for the foxii... decisions, decisions. :)

-- Chris Cartwright, Unix Administrator | ccart@phideaux.com --
-- N3XRV ARRL-VE Norcal Zombie #163 | Oxford, PA 19363 FM29as --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

Date: Thu, 5 Sep 2002 12:18:17 -0400
From: "Mike Yetzko" <myetzko@insydesw.com>
To: <w2agn@w2agn.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [134277] Re: Favorite low loss coax?

Message-ID: <002301c254f7\$d9cde580\$0300a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> I tried that woven wire, too, but didn't have such good luck with it.
After it came down the third time, I went back to Copperweld. Hard to
handle, but lasts for years. The
> woven stuff was very sensitive to rubbing on branches, etc., which I
can't really avoid. (Maybe the squirrels "tasted" it, too?).
>
> / \ / \ / \ / \ / \ John L. Sielke

I wouldn't have thought of the abrasion issue. But you're right. The
woven stuff probably wouldn't be near as durable as copperweld
in that case. It's mainly for flexing.

I wonder how it hold up to freezing when water is wicked up in it?

Copperweld though is just so touchy to kinks in it. I never seem to be
able to get it out and up without a kink unless it's brand new.

Mike

Date: Thu, 5 Sep 2002 12:32:27 -0400
From: Bill Coleman <aa4lr@arrl.net>
To: <jamesd1@flash.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [134278] Re: Baluns and Fiberglass Poles
Message-ID: <20020905163222.K0KN24863.imf24bis.bellsouth.net@[192.168.0.23]>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

On 7/30/02 10:26 PM, James R. Duffey at jamesd1@flash.net wrote:

>W7EL, in his landmark balun paper in Antenna Compendium 1, showed that the
>balun is effective at improving feedline balance even when located at the
>transmitter. Not as effective as at the antenna feed point, but still
>effective. You could probably even move the balun to the foot of the mast.

Sorry to ressurect an old thread, but I have an interesting tidbit to
add.

A few years ago in CQ Contest magazine, Tim Duffy, K3LR, wrote about his use of current baluns at his M/M setup. He had placed bead baluns at each antenna, and then at each remote switch in the antenna tree right up to the rig. (A multi/multi setup usually includes multiple antennas for each band, and each rig is usually used on one band)

This use of multiple current baluns intrigued me. Tim indicated that he attributed these baluns to eliminating much of the inter-station interference.

I had long discussions at lunch with K70T about this. We concluded that the extra baluns at each switch point helped to eliminate common-mode currents that were picked up by other parts of the antenna tree -- even inactive antennas, feedlines, and even towers or other conductive support structures.

So, yeah, current baluns have value even removed from the feedpoint.

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
 -- Wilbur Wright, 1901

Date: Thu, 5 Sep 2002 09:28:20 -0700
From: "blinn" <blinn@smsgazette.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [134279] Re: OT: o'scope trace width question
Message-ID: <003c01c254f9\$40380c00\$7d8aa242@blinn>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Pete, I believe there are a couple of controls that affect the trace length. As you stated, the X10 setting will cause a trace the full width of the screen. There should be a control knob to set the trace length. (Perhaps you've overlooked it?) Also, the trace position could cause you to only see a part of the trace, so you might fiddle with it.

Bill - WA7TQK

Outgoing mail is certified Virus Free.

Checked by AVG anti-virus system (<http://www.grisoft.com>).

Version: 6.0.381 / Virus Database: 214 - Release Date: 8/2/02

--

Date: Wed, 4 Sep 2002 21:20:01 -0700

From: "Doug Hendricks" <ki6ds@dph.dpol.net>

To: <qrp-1@lehigh.edu>

Cc: "Jay Bromley" <w5jay@alltel.net>

Subject: [134280] Manhattan Style Kits Coming

Message-ID: <015801c25493\$83a5c4c0\$4a0b0d0a@dph.dpol.net>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Guys, I guess I'll let the cat out of the bag. The Fort Smith QRP Club will be offering a Manhattan Style receiver very soon. And, it is not just any receiver. It is the receiver that is in the SWL40+, designed by Dave Benson. Dave has very graciously give permission for the Ft. Smith QRP Group to sell a Manhattan Style kit of his receiver. It is called the "SideKick", and is perfect as a companion receiver for the TT2 and other simple 40 meter Transmitters that we all have. It has a VFO of course, is a superhet, and even comes with a mute switch, so it is ready to go with that transmitter!! Plus, it is a wonderful project for those who want to get their feet wet and try Manhattan style construction. The kit will include all components, 2.5" by 3" plain pcboard, and enough 1/8" strips to make the pads. All you will need to supply is the case and connectors for power, antenna, and headphones. Frank Roberts, VE3FA0, did the layout, and he has built a prototype, and it works beautifully. If you take QRPP, check out Frank's layout drawings for the Iowa QRP 10. He did the receiver in the same style, and it is beautiful. Proceeds from the sale of the receiver will be used to put on Arkiecon 2003. The cost of the kit will be \$30 plus \$4 shipping and handling from Jay Bromley. Now, don't send Jay any money until we get the kits done and they are ready to ship. Jay will announce when he is ready to take orders. I am waiting on crystals to arrive so that they can be matched for the filter. Should be in about 3 weeks or so. 72,
Doug, KI6DS

Date: Thu, 5 Sep 2002 12:15:51 -0400
From: Bill Coleman <aa4lr@arrl.net>
To: <k5di@zianet.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [134281] RE: ARRL Antenna Book 19th Edition
Message-ID: <20020905161725.JWRB13887.imf17bis.bellsouth.net@[192.168.0.23]>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

On 9/4/02 8:01 PM, Karl F. Larsen at k5di@zianet.com wrote:

> This antenna can be tested with a 100 watt transmitter and I think
>the same Transmission Line will not suffer any damage.

No argument. However, a transmission line that loses 42% of the feed energy isn't one I'd want to use for QRP operation, either.

>But for the question, can high power damage a Transmission Line? The answer
>is yes.

Except that wasn't the question Karl!

<sigh>

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
 -- Wilbur Wright, 1901

Date: Thu, 05 Sep 2002 11:46:55 -0500
From: "George, W5YR" <w5yr@att.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [134282] Re: Baluns and Fiberglass Poles
Message-ID: <3D778A7F.604EEE91@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Roy has since posted and presented a mathematical derivation that the action of the balun is promoting line-current balance is identical whether the balun is located at the input or the output of a tuner. At the input, the working conditions for the balun are different and might be an improvement over the other location, but the current-balancing action is the same for either location.

When you consider that the tuner is just a lumped-constant section of a feedline and its adjustments vary the length of the equivalent feedline and also bring about reactance cancellation, Roy's conclusions make sense. Moving the balun to the input is equivalent - again only in the current-balancing sense - is no different than adding a foot or so of feedline - maybe more, maybe less - plus some reactance cancellation.

The piece can be found in the archives of rec.radio.amateur.antenna if anyone is interested in reading it. As usual, Roy does an excellent job in overviewing the situation and in making his point.

73/72, George

Fairview, TX 30 mi NE of Dallas in Collin county EM13qe

Amateur Radio W5YR - the Yellow Rose of Texas

In the 57th year and it just keeps getting better!

Bill Coleman wrote:

>

> On 7/30/02 10:26 PM, James R. Duffey at jamesd1@flash.net wrote:

>

> >W7EL, in his landmark balun paper in Antenna Compendium 1, showed that the
> >balun is effective at improving feedline balance even when located at the
> >transmitter. Not as effective as at the antenna feed point, but still
> >effective. You could probably even move the balun to the foot of the mast.

Date: Thu, 5 Sep 2002 09:58:00 -0700

From: "Doug Hauff" <dhauff@digitalputty.com>

To: <qrp-l@lehigh.edu>

Subject: [134283] N/C Narrows shipping

Message-ID: <003901c254fd\$7b9f6d20\$68393442@fix.net>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

The handful of complete retros I have are in today's mail...new bearings are ordered and will be here by Monday, so the rest will all ship next week. Sorry for my oversight....

72, Doug KE6RIE

Date: Wed, 4 Sep 2002 21:43:13 -0700

From: "Doug Hendricks" <ki6ds@dph.dpol.net>
To: <qrp-l@lehigh.edu>
Subject: [134284] QRPacificon RockMite Teams, 2 so Far
Message-ID: <016201c25496\$c0f05a40\$4a0b0d0a@dph.dpol.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

We have two Rockmite Contest teams for QRPacificon so far. Darrel Jones and the boys from the Valley of the Moon ARC have one, and Jeff Grudin has another one organized. Room for 8 more. Friday night, Oct. 18th, NorCal will supply 10 RockMite kits, connectors and cases for the contest. Each team will build a Rockmite, put it in a case that they also have to build, and then make a qso where they copy and send a code word to a Master Station. Antenna will be provided by Vern Wright, W6MMA of Super Antennas, Vern if you are reading this thanks for supplying the antennas, grin. Teams will consist of 4 members, and will supply their own tools. If you are interested in forming a team, let me know the members names, the team name, and the captain. 72, Doug

Date: Thu, 5 Sep 2002 13:05:32 -0400
From: "Hartwell, Martin E, ALINF" <mehartwell@att.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [134285] Doug Hauff Key
Message-ID: <6579C6377F475547985F0B3E426E16260204DD84@OCCLUST01EVS1.ugd.att.com>
content-class: urn:content-classes:message
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: quoted-printable

Hi

I have received both keys from Doug, I have them mounted on a single = trophy board now. If anyone wants to see it, I can respond with digital = picture.=20

Marty Hartwell kd8bj
AT&T Columbus Ohio
PH:614-501-2503

Date: Thu, 5 Sep 2002 13:11:41 -0400
From: "Ron McConnell" <rcmcc@earthlink.net>
To: <QRPSolarPower@yahoogroups.com>, "QRP-L" <qrp-l@lehigh.edu>,
"QRPP-I" <QRPP-I@yahoogroups.com>, "NJQRP" <njqrp@njqrp.org>,
Cc: "W2IOL" <w2iol@arrl.net>
Subject: [134286] Home Power magazine
Message-ID: <000001c254ff\$50346580\$be2af0cd@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"
Content-Transfer-Encoding: 7bit

Some of you are no doubt already familiar
with Home Power magazine, which has all
kind of interesting info on producing
power independent of the electric power grid
but some may not know about it.

<http://www.homepower.com/>

Solar power, wind power (current issue #90),
water power, human power, batteries,
(you name it)...

An amazing thing about Home Power is that
it costs US\$6 (?) on the magazine stand,
but the current issue is available free
for download on their web site at the same time.

Search their archives for topics of interest.

Cheers, 73,

Ron McConnell
w2iol

Date: Thu, 5 Sep 2002 12:22:24 -0500
From: "Tim, N9PUZ" <n9puz@arrl.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [134287] Re: Favorite low loss coax?
Message-ID: <200209051718.MAA00478@zinc.eosinc.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"

Content-Transfer-Encoding: quoted-printable

On Thu, 05 Sep 2002 12:18:17 -0400, Mike Yetzko wrote:

>>=A0I tried that woven wire, too, but didn't have such good luck=
with it.

>After it came down the third time, I went back to Copperweld.=
Hard to

>handle, but lasts for years. The

>>=A0woven stuff was very sensitive to rubbing on branches, etc.,=
which I

>can't really avoid. (Maybe the squirrels "tasted" it, too?).

>>=A0=A0_ =A0 =A0_ =A0 =A0_ =A0 =A0_ =A0 =A0_

>>=A0/ \ =A0/ \ =A0/ \ =A0/ \ =A0/ \ John L. Sielke

>

>I wouldn't have thought of the abrasion issue. =A0But you're=
right. =A0The

>woven stuff probably wouldn't be near as durable as copperweld

>in that case. =A0It's mainly for flexing.

>

>I wonder how it hold up to freezing when water is wicked up in=
it?

Davis offers a version of the FlexWeave wire that's coated now.=

They specifically recommend it for applications where abrasion=
may be encountered. I don't know how long the coated version has=
been offered.

Tim, N9PUZ

<http://www.qsl.net/n9puz>

Learn About Amateur Radio: <http://www.arrl.org/hamradio.html>

Date: Thu, 5 Sep 2002 11:09:33 -0700

From: "Doug Hauff" <dhauff@digitalputty.com>

To: <qrp-1@lehigh.edu>

Subject: [134288] N/C Narrows - TNX for Labels!

Message-ID: <006401c25507\$63746660\$68393442@fix.net>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Wow! Every one of the first bunch of retro orders had a mailing label
included! Thanks guys, it makes it SO much easier for these little
quicknesses!

72, doug KE6RIE

Date: Thu, 5 Sep 2002 13:50:58 EDT
From: Hiloarc@aol.com
To: jliving2001@yahoo.com
Cc: qrp-1@lehigh.edu
Subject: [134289] Re:hawaii
Message-ID: <35.2c6a5e89.2aa8f382@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi Joe,

Welcome to the Islands of Paradise!

I would like to sponsor you for membership
in the Hawaii QRP Club (HI QRP).

I would be most happy to relate the details,
However, I'm out the door in a few minutes
on a trip to the Marshall Islands. I'll return
to Hilo Saturday, September 14.

I'll try to be on the air at/near QRP CW
7040, 14060 and 21060, as time permits.
Also, I'll have to get a V73 call sign. :-)

72, Aloha, Dean K H 6 B
Hilo Hawaii
HI QRP Club #001
kh6b@arrl.net

Date: Thu, 5 Sep 2002 13:58:40 -0400
From: Bill Coleman <aa4lr@arrl.net>
To: <ac6wq@yahoo.com>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [134290] Re: Cat 5 Wire as feedline?
Message-ID: <20020905180014.MDQV1387.imf15bis.bellsouth.net@[192.168.0.23]>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

On 9/3/02 1:06 PM, Rob Ellis at ac6wq@yahoo.com wrote:

>I have inherited alot of used CAT 5 wire for free and
>I was wondering has anyone used it as antenna feedline?

Sure! Just take two runs and space them 1-6" apart (keeping the spacing constant), tie all of the conductors together in each run, and feed like open wire....

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
 -- Wilbur Wright, 1901

Date: Thu, 5 Sep 2002 11:24:47 -0700
From: "Bill Jones" <kd7s@psnw.com>
To: <rcmcc@earthlink.net>,
 "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [134291] Re: Home Power magazine
Message-ID: <000501c25509\$847e6de0\$9110010a@fresno>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Ron is right in that Home Power magazine is an incredible resource for us. I suggest you go to their web site, point to 'MAGAZINE' and click on 'Files & Downloads' and go to 'homebrews.'" Here is a sample of what you'll find:

NOTE: You must have Adobe Acrobat Reader 4.0 or above to view our PDF files on this page.

Shunt Regulator Shunt Regulator to keep batteries from overcharging. From HP #18, in Acrobat format.

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Pulse Width Modulator Circuit Article Article on building a pulse width modulator circuit. From HP #75, in Acrobat format. Includes printed circuit board layout.

And there are more many more.

=====

Bill Jones - <><
Sanger, California

=====

----- Original Message -----

From: "Ron McConnell" <rcmcc@earthlink.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Date: Thu, 5 Sep 2002 14:31:39 -0400

From: Bill Coleman <aa4lr@arrl.net>

To: <rohre@arlut.utexas.edu>, "QRP" <qrp-l@lehigh.edu>

Subject: [134292] Re: Cleaning aluminum antenna joints

Message-ID: <20020905183313.LPYR26924.imf04bis.bellsouth.net@[192.168.0.23]>

Mime-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"

On 8/23/02 8:29 PM, Stuart Rohre at rohre@arlut.utexas.edu wrote:

>Get a Scotch Brite (TM) pad from grocery store, etc. Then get some No Ox or
>similar compound from electrical dept of Home Depot, etc. and coat the joint
>right after cleaning off the oxides.

You're speaking of No Al Ox or Penetrox. These are both compounds consisting of a grease with embedded particles of zinc.

>Scrub with Scotch Brite pad, and then
>use clean lint free cloth to wipe off aluminum oxide powder residue before
>adding the No Ox grease. (Butter Its Not, from Bencher also works, is
>grease with copper powder.)

Don't use any copper compounds in direct contact with aluminum. Zinc is OK, as is stainless steel. You'll get a galvanic reaction that will oxidize the aluminum.

And, whatever you do, do NOT use steel wool to clean alumium. Microscopic bits of steel will break off and embed themselves in the Alumium, causing a galvanic reaction and oxidation.

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
 -- Wilbur Wright, 1901

Date: Thu, 5 Sep 2002 14:33:28 -0400
From: Bill Coleman <aa4lr@arrl.net>
To: <tracy@bytemark.com>,
 "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [134293] RE: cleaning aluminum?
Message-ID: <20020905183501.JGZM29588.imf07bis.bellsouth.net@[192.168.0.23]>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

On 8/23/02 7:12 PM, Tracy Markham at tracy@bytemark.com wrote:

>Use a Scott Bright (sp) pad. DO NOT USE STEEL WOOL.
>
>Ok, why no steel wool? Does SOS count as steel wool?

Tiny bits of steel will embed themselves in the Aluminum. These will cause a galvanic reaction and corrosion.

Scotchbrite is recommended. SOS pads are steel wool.

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
 -- Wilbur Wright, 1901

Date: Thu, 05 Sep 2002 14:36:40 -0400
From: "Randy Randall" <RANDALLR@healthall.com>
To: <qrp-l@lehigh.edu>
Subject: [134294] Test do not read.
Message-ID: <sd776bfd.032@jhs_izar.healthall.com>

Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Disposition: inline

I told you not to read this!!!!!!

TEST TEST TEST

Date: Thu, 5 Sep 2002 13:48:21 -0500
From: "KD5NWA" <KD5NWA@mbayona.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [134295] RE: Home Power magazine
Message-ID: <NGBBJPBAOLKEABLLGGKBAEIMCDAA.KD5NWA@MBayona.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Now you done it, the QRP-L Off Topic cops are going to get all upset.

Cecil
KD5NWA

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of
Bill Jones
Sent: Thursday, September 05, 2002 1:25 PM
To: Low Power Amateur Radio Discussion
Subject: Re: Home Power magazine

Ron is right in that Home Power magazine is an incredible resource for us.
I suggest you go to their web site, point to 'MAGAZINE' and click on 'Files
& Downloads' and go to 'homebrews.'" Here is a sample of what you'll find:

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mark8.pdf Mark 8 generator controller articles, for charging home power battery systems.

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Electro-Biking Article on building a bike stand to help charge your batteries. From HP #56, in Acrobat format.

Pulse Width Modulator Circuit Article Article on building a pulse width modulator circuit. From HP #75, in Acrobat format. Includes printed circuit board layout.

And there are more many more.

=====

Bill Jones - <><
Sanger, California

=====

----- Original Message -----

From: "Ron McConnell" <rcmcc@earthlink.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Date: Thu, 5 Sep 2002 11:54:26 -0700

From: "John McClain" <digi2@earthlink.net>

To: "QRP-L" <qrp-l@lehigh.edu>

Subject: [134296] Rock Mite 20 - new problem

Message-ID: <006c01c2550d\$a9297f00\$6501a8c0@phoenix.speedchoice.com>

MIME-Version: 1.0

Content-Type: text/plain;
 charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Thank you for the input on my audio oscillation problem that I was experiencing with my new Rock Mite 20. As several of you said, the problem went away once I got it mounted in an Altoid cabinet but now I have a new one. If I switch from a dipole or beam to a Cushcraft R8 vertical, I start picking up some very loud broadcast stations. It

isn't the AM or FM broadcast bands but it sounds like it may be the FOX News channel plus some others that I haven't identified yet. So, anyone else getting interference like this?

John
K7SVV
K2 #2569
SST 20
Rock Mite 20

Date: Thu, 5 Sep 2002 11:56:40 -0700
From: "Bill Jones" <kd7s@psnw.com>
To: <aa4lr@arrl.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [134297] Re: Cleaning aluminum antenna joints
Message-ID: <000b01c2550d\$f9093060\$9110010a@fresno>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----
From: "Bill Coleman" <aa4lr@arrl.net>

> (Butter Its Not, from Bencher also works, is
> >grease with copper powder.)
>
> Don't use any copper compounds in direct contact with aluminum. Zinc is
> OK, as is stainless steel. You'll get a galvanic reaction that will
> oxidize the aluminum.

My Butternut HF6V-X vertical came with a packet of "Butter It's Not" compound with instructions to place a small amount on the aluminum tubes where they joined together. Personally, I have found it to work very well with no apparent degradation of the aluminum throughout the years.

=====
Bill Jones - <><
Sanger, California
=====

Date: Thu, 5 Sep 2002 14:07:09 est
From: brian@iquest.net
To: "Rod N0RC" <rod@n0rc.us>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [134298] Re: UPDATED: the "Rock-Mite" files
Message-ID: <3d77ab5d.6ca4.0@iquest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Rod and the Rockmite gang...

Most of the kits on the Rock Pile have some very very nice lettering.

How do they do that? I was going to create a nice faceplate on the color inkjet and rubber cement it (or something) to the container I am thinking about using. Then cover the faceplate with clear contact paper, then carefully cut my holes and add my parts. Seems like a good idea but the lettering on the other rigs looks so clean and nice. Rub ons?

73 de KB9BVN

Date: Thu, 5 Sep 2002 13:12:21 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: qrp-l@lehigh.edu
Subject: [134299] Web site for Smith Charts for Dummies
Message-ID: <Pine.LNX.4.44.0209051311100.3064-1000000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hello, You wrote looking for the paper called Smith Chart for Dummies and I have it and am in the process of working the first math parts with Jeff the instructor. I am having a problem getting to the end results on page 2. I know it's right because the results are right....:-)

Had to go out and get a compass to draw a SWR circle. Office Max has a Helix model that is very nice, and about the right size for a 8 1/2 by 11 chart.

Please go to this web site and d/l the tutorial without the smith chart:

<http://abacus.nmsu.edu/~shoran/radio.htm>

If you don't already have a good pdf of a smith chart then d/l also the smith chart from this web page.

72, Karl K5DI

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|_|_|_|_|_|_\|_\|_|_|_/ /_\|_\
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Date: Thu, 5 Sep 2002 14:10:56 -0500 (EST)
From: <igeq100@iupui.edu>
To: John McClain <digi2@earthlink.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [134300] Re: Rock Mite 20 - new problem
Message-ID: <Pine.GS0.3.96.1020905140610.5872B-100000@jade.iupui.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi, John -

I experienced strong interference from a local AM station with my RockMite 40. I connected an 820 ohm (value determined by experiment) from the junction of D1 and D2 to ground. This was sufficient to get rid of the interference with no discernable effect on the 40-meter CW signals. I can switch the resistor out when the station is off the air. Also, as Steve "Melt Solder" pointed out, using a battery supply rather than a line-operated one can also help.

And I hope this helps.

72, Rich, WB9LPU

On Thu, 5 Sep 2002, John McClain wrote:

```
> Thank you for the input on my audio oscillation problem that I was
> experiencing with my new Rock Mite 20. As several of you said, the
> problem went away once I got it mounted in an Altoid cabinet but now I
> have a new one. If I switch from a dipole or beam to a Cushcraft R8
> vertical, I start picking up some very loud broadcast stations. It
> isn't the AM or FM broadcast bands but it sounds like it may be the
> FOX News channel plus some others that I haven't identified yet. So,
> anyone else getting interference like this?
>
```

> John
> K7SVV
> K2 #2569
> SST 20
> Rock Mite 20
>
>
>
>

Date: Thu, 5 Sep 2002 14:21:20 est
From: brian@iquest.net
To: qrp-1@lehigh.edu
Subject: [134301] Don't you need a balun?
Message-ID: <3d77aeb0.6eb3.0@iquest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I saw this on eBay. Neat looking but wouldn't you need a balun in there
someplace?

This is a BNC connector to 5 way post connector adapter thingie.

<http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=1377726411>

73 de KB9BVN

Date: Thu, 05 Sep 2002 15:23:36 -0400
From: W2AGN <w2agn@w2agn.net>
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [134302] Re: Don't you need a balun?
Message-ID: <3D7776F8.6886.A29602A@localhost>
MIME-version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

On 5 Sep 2002 at 14:21, brian@iquest.net wrote:

I saw this on eBay. Neat looking but wouldn't you need a balun in there

someplace?

This is a BNC connector to 5 way post connector adapter thingie.

<http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=1377726411>

73 de KB9BVN

I have one of these little gadgets. You just put a 35' (or more) piece of wire in the red binding post, and a 22' or so counterpoise in the black binding post. The K1 (or K2) internal ATU tunes it nicely. Very "quick and dirty" antenna, but works quite well.

--

/ \ / \ / \ / \ / \ John L. Sielke
(W)(2)(A)(G)(N) <http://www.w2agn.net>
_ / _ / _ / _ / _ / QRPARCI, NJQRP, ARQrp, GQRP, RSGB
Ex- K3HLU, W7JEF, W4MPC, N4JS

Date: Thu, 05 Sep 2002 15:26:38 -0400
From: "Charles Mabbott" <aa8vs@msn.com>
To: KD5NWA@mbayona.com, qrp-1@lehigh.edu
Subject: [134303] Home Power magazine - Oh Noooo
Message-ID: <F13HtUZlpXg3PgFyFS40000abfd@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Got to pay attention, the RS bashing has not concluded yet!! And there you go changing the subject....
Been doing research on Solar to take to field with QRP rig, anyone have some good web sites???

73 oo
Chuck AA8VS

>From: "KD5NWA" <KD5NWA@mbayona.com>
>Reply-To: KD5NWA@mbayona.com
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
>Subject: RE: Home Power magazine

>Date: Thu, 5 Sep 2002 13:48:21 -0500

>

>

>Now you done it, the QRP-L Off Topic cops are going to get all upset.

>

>Cecil

>KD5NWA

>

>-----Original Message-----

>From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of

>Bill Jones

>Sent: Thursday, September 05, 2002 1:25 PM

>To: Low Power Amateur Radio Discussion

>Subject: Re: Home Power magazine

>

>

>Ron is right in that Home Power magazine is an incredible resource for us.

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>-----

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>board layout.

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>And there are more many more.

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>Bill Jones - <><
>Sanger, California
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>----- Original Message -----
>From: "Ron McConnell" <rcmcc@earthlink.net>
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

"If your not part of the solution,
there is good money to be made
prolonging the problem."
<http://68.43.100.7:81/aa8vs>

Chat with friends online, try MSN Messenger: <http://messenger.msn.com>

Date: Thu, 05 Sep 2002 13:38:00 -0400
From: W2AGN <w2agn@w2agn.net>
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [134304] Re: Favorite low loss coax?
Message-ID: <3D775E38.17659.9C8B445@localhost>
MIME-version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

On 5 Sep 2002 at 12:22, Tim, N9PUZ wrote:

> >
> Davis offers a version of the FlexWeave wire that's coated now. They
specifically recommend it for applications where abrasion may be encountered. I
don't know how long the coated version has been offered.
>
> Tim, N9PUZ
> <http://www.qsl.net/n9puz>
> Learn About Amateur Radio: <http://www.arrl.org/hamradio.html>

Now that's a great idea. Maybe have to try some next time I'm messing about with
antennae.

>

--

/\ /\ /\ /\ /\ John L. Sielke
(W)(2)(A)(G)(N) <http://www.w2agn.net>
_/__/__/_ QRP/ARCI, NJQRP, ARQrp, GQRP, RSGB
Ex- K3HLU, W7JEF, W4MPC, N4JS

Date: Thu, 5 Sep 2002 14:51:56 -0500
From: "Jeff Mitchell" <jeffmit@datastratinc.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [134305] Re: Home Power magazine - Oh Noooo
Message-ID: <002301c25515\$b174ef20\$6501a8c0@datastratinc.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Have you looked at the UNISolar foldable panels...I am considering them for portable ops, they look very easy to pack.

<http://www.solar4power.com/solar-power-unisolar.html>

Jeff, N4YQ

----- Original Message -----

From: "Charles Mabbott" <aa8vs@msn.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Thursday, September 05, 2002 2:26 PM
Subject: Home Power magazine - Oh Noooo

> Got to pay attention, the RS bashing has not concluded
> yet!! And there you go changing the subject....
> Been doing research on Solar to take to field with QRP
> rig, anyone have some good web sites???
>
> 73 oo
> Chuck AA8VS
>
>
>
> >From: "KD5NWA" <KD5NWA@mbayona.com>
> >Reply-To: KD5NWA@mbayona.com
> >To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
> >Subject: RE: Home Power magazine
> >Date: Thu, 5 Sep 2002 13:48:21 -0500

> >
> >
> >Now you done it, the QRP-L Off Topic cops are going to get all upset.
> >
> >Cecil
> >KD5NWA
> >
> >-----Original Message-----
> >From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of
> >Bill Jones
> >Sent: Thursday, September 05, 2002 1:25 PM
> >To: Low Power Amateur Radio Discussion
> >Subject: Re: Home Power magazine
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> >
> >Ron is right in that Home Power magazine is an incredible resource for
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> >Bill Jones - <><
> >Sanger, California
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> >----- Original Message -----
> >From: "Ron McConnell" <rcmcc@earthlink.net>
> >To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
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>
>
> -----
> Chat with friends online, try MSN Messenger: <http://messenger.msn.com>
>
>

Date: Thu, 5 Sep 2002 15:49:14 -0700
From: "Dave Benson" <nn1g@earthlink.net>
To: <igeq100@iupui.edu>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [134306] Re: Rock Mite 20 - new problem
Message-ID: <003001c2552e\$763c11e0\$8cb83a41@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks for the suggestion. I'd recommended adding inductance in parallel with D1/D2- 10 uH looks like a good value, but I haven't had a chance to check for interaction with the passband characteristics. In the discussions I had with someone else on the topic, it eliminated AM BC pickup completely.

The issue with AM rejection is that of poor ultimate rejection on the

single-crystal filter at the RX front end. The addition of the resistor forms a high-pass filter to improve the situation, and the use of an inductor should further improve it. I've evaluate this over the next few days, and if the advantage looks clear-cut, will modify the board layout for future board lots. I do not see AM BC pickup here in the boonies, nor did it turn up early after release at Lobstercon and Ft. Tuthill- this'd be the second or third report of this behavior.

73- Dave

Dave Benson, K1SWL
dave@smallwonderlabs.com
<http://smallwonderlabs.com>
Phone/fax 860-537-8031

-----Original Message-----

From: igeq100@iupui.edu <igeq100@iupui.edu>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Thursday, September 05, 2002 12:14 PM
Subject: Re: Rock Mite 20 - new problem

Hi, John -

I experienced strong interference from a local AM station with my RockMite 40. I connected an 820 ohm (value determined by experiment) from the junction of D1 and D2 to ground. This was sufficient to get rid of the interference with no discernable effect on the 40-meter CW signals.
...<<

Date: Thu, 5 Sep 2002 15:57:18 -0400 (EDT)
From: <n2go@arrl.net>
To: =?iso-8859-1?B?TthCUw==?= <n0bs@msn.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [134307] Re: Index Labs QRP+ help?
Message-ID: <Pine.LNX.4.33.0209051555460.568-100000@valhalla.v>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi,
Try changing the Lithium Battery.
Unfortunately K7SY is now SK.

73,

Jim n2go

Date: Thu, 5 Sep 2002 15:58:50 -0400 (EDT)
From: <n2go@arrl.net>
To: =?iso-8859-1?B?TthCUw==?= <n0bs@msn.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [134308] Re: Index Labs QRP+ help?
Message-ID: <Pine.LNX.4.33.0209051557580.568-1000000@valhalla.v>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I for got to add that you should check your supply voltage with a meter to see if you are actually supplying enough voltage when there is a load on it. It may be a power supply failure.

73,

Jim n2go

Date: Thu, 05 Sep 2002 20:00:13 +0000
From: "Brad Hernlem" <alihernlem@hotmail.com>
To: w6wy@citlink.net
Cc: qrp-l@lehigh.edu
Subject: [134309] OT: o'scope trace width question
Message-ID: <F78LwpnkFyVXFfLFr9P0000a718@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

pmurphy (w6wy@citlink.net) sez:

>Hi gang:

>I have a chance to buy a Tek 465B but only problem is the trace width is
>only about 70% of the screen. I can't get it to widen unless I hit the
> >10x magnification button. So..... Is the CRT ready to go? Is there an
>adjustment I don't know about? (very possible). Should I pass this one up
>altogether?

>Thanks in advance---Pete W6WY nr Redding CA

Pete,

A couple of possible explanations are 1) the HV supply is not adjusted properly (like too high an accelerating voltage) and 2) dirty connectors.

Now I don't have any experience with the 465B but I do have a Tektronix 7613 that has/had exhibited such behavior intermittently. The 7613 is a mainframe and plug-in device and pulling out and reinserting the time-base solved the problem. Last time it happened I hosed the connector with cleaner and the problem has not returned.

BTW, I got my scope "as was" and it had a blown HV board. I was able to fix it myself (with the aid of many extremely helpful internet residents) so it isn't totally outside the realm of possibilities if you like to do that stuff.

Brad

Chat with friends online, try MSN Messenger: <http://messenger.msn.com>

Date: Thu, 05 Sep 2002 16:19:48 -0400
From: "Michael Melland" <w9wis@charter.net>
To: w2agn@w2agn.net,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [134310] Re: Favorite low loss coax?
Message-ID: <web-3090758@dc-mxldb06.cluster1.charter.net>
MIME-Version: 1.0
Content-Type: text/plain; charset="ISO-8859-1"; format="flowed"
Content-Transfer-Encoding: 8bit

I have the coated wire and use it through the trees at my house for a swl antenna. It comes in different colors... I chose green (sort of a clear tinted forest green) and run it along my dark green painted eaves into the trees and it's all but invisible. I have only had to mend it once when a large tree fell on it during a winter storm. I haven't had any stretching or problem with abrasion and it really is in the trees.

Mike

--
Michael Melland, W9WIS

Winneconne, WI USA

Date: Thu, 5 Sep 2002 16:21:08 -0400
From: "W2WU" <w2wurjj@verizon.net>
To: <aa4lr@arrl.net>,
 "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [134311] Re: cleaning aluminum?
Message-ID: <002001c25519\$f353e460\$71c2fea9@w2wu>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I use ScotchBrite^(r) followed by water wash, & wipe dry with lint free cloth.

or: if not totally clean, use Aluminum prep material manufactured for refinishing trade, then redo wash, dry. Penatrox between joints!

After assembly, Clear Coat Krylon ^(r), or refinish clear coat. I DO NOT overspray insulators. 73, W2WU

----- Original Message -----

From: Bill Coleman <aa4lr@arrl.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: 05 September, 2002 14:33
Subject: RE: cleaning aluminum?

> On 8/23/02 7:12 PM, Tracy Markham at tracy@bytemark.com wrote:

>

> >Use a Scott Bright (sp) pad. DO NOT USE STEEL WOOL.

> >

> >Ok, why no steel wool? Does SOS count as steel wool?

>

> Tiny bits of steel will embed themselves in the Aluminum. These will
> cause a galvanic reaction and corrosion.

>

> Scotchbrite is recommended. SOS pads are steel wool.

>

>

>

>

> Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net

> Quote: "Not within a thousand years will man ever fly!"

>

-- Wilbur Wright, 1901

>

Date: Thu, 5 Sep 2002 15:37:16 -0500
From: "Doc Lindsey K0EVZ" <dock0evz@earthlink.net>
To: "qrp-l reflector" <qrp-l@lehigh.edu>
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>,
"Tom Palmer" <n1tp@swfla.rr.com>,
Subject: [134312] Late K0EVZ FOX posting
Message-ID: <412002945203716150@earthlink.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Gang:

NOW HEAR THIS = Very sorry for the late posting. I will be the other FOX tonite, along with Paul K4FB. As he will be high in the band (14.061 and listening up 1-2), I will be ~14.055 depending on QRM, also listening up about 1. Let's do our best not to interfere with established events such as CHN and FISTS.

Conditions on 20 have been uneven this week, so let's hope for great propagation tonight. They were quite good from North Dakota for the ARS Sprint last Monday evening. Fingers crossed for another great evening.

Setup here will be 5 watts to either a 560' horizontal loop up 33', or an IAC Double Bazooka up 48' as a slight inverted vee.

Hope to see everyone on the hunt. The more, the merrier I say ...

73,
--Doc/K0EVZ

Date: Thu, 5 Sep 2002 16:53:14 -5
From: "Bill Kelsey - N8ET - Kanga US" <kanga@bright.net>
To: qrp-l@lehigh.edu
Subject: [134313] Findlay Ohio Hamfest - QRP items
Message-ID: <200209052051.g85KpHk7014475@rhombus.bright.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7BIT

The Findlay Ohio Hamfest is this Sunday. I will have three tables in the first building, and will have all the kits I have in stock along with the complete line of DK9SQ products. I can also take GQRP Club applications or renewals. The SPRAT CD will be available. A box of 50 just arrived from the UK, so I am getting the back orders in the mail, and will have the rest at my tables at the hamfest.

ARCI and MI QRP will also have a table.

If anyone from the Columbus QRP Club would like a table - drop me an e-mail and I can set you up.

Drop by and say hello!

73 - Bill - N8ET
Kanga US
kanga@bright.net
<http://www.bright.net/~kanga/>
419-423-4604

Date: Thu, 5 Sep 2002 16:49:28 -0400
From: "Tom Palmer" <n1tp@swfla.rr.com>
To: <qrp-l@lehigh.edu>
Subject: [134314] FOX: Truffle this evening?
Message-ID: <000501c2551d\$ba2fc2e0\$6b2a0843@swfla.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Who, and on what frequency?

Tom, N1TP
Naples, Florida

Date: Thu, 5 Sep 2002 17:09:40 -0400
From: Bill Coleman <aa4lr@arrl.net>
To: "Bill Jones" <kd7s@psnw.com>,
 "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [134315] Re: Cleaning aluminum antenna joints
Message-ID: <20020905211118.NEJN28682.imf05bis.bellsouth.net@[192.168.0.23]>

Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

On 9/5/02 2:56 PM, Bill Jones at kd7s@psnw.com wrote:

>My Butternut HF6V-X vertical came with a packet of "Butter It's Not"
>compound with instructions to place a small amount on the aluminum tubes
>where they joined together. Personally, I have found it to work very well
>with no apparent degradation of the aluminum throughout the years.

When I put up a HF4B 15 years ago, I got a packet of this stuff as well,
and used it according to the instructions. This antenna wasn't up
terribly long, but there seemed to be an unusual amount of oxidation at
the points where it was used.

I can't tell you for sure if the "Butter It's Not" uses copper or not.
There's a version of Penetrox designed for Copper / Copper connections,
where Zinc would be inappropriate. (Copper reacts with Zinc as well)

Unless I was sure, I wouldn't recommend putting such a compound in
contact with Aluminum.

However, No Al Ox or Penetrox compounds using Zinc are just fine for
Aluminum.

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
 -- Wilbur Wright, 1901

Date: Thu, 5 Sep 2002 17:14:23 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <brian@iquest.net>,
 "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [134316] Re: Don't you need a balun?
Message-ID: <006c01c25521\$80b62e60\$0300a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> I saw this on eBay. Neat looking but wouldn't you need a balun in there
someplace?

>

>
> This is a BNC connector to 5 way post connector adapter thingie.
>
> <http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=1377726411>
>
> 73 de KB9BVN

\$9??? WOW!!

Radio Shack has them for less than \$5. (On order though, but then you gotta order through EBay!) And I think Mouser and a few other places have them for even less.

\$9... I'm amazed.

Anyway, I use them on my K2 with ATU just fine. I had a piece of RG-58 with BNC to clips and I put a 4:1 balun on the end and then fed to 300 twinlead to my 40M dipole in the yard. They I tried one of the 'adapters' and ran the twinlead directly to the binding post right on the back of the K2. The ATU tuned up 'differently' but it worked fine.

Now when I go camping, I just use a cheap antenna I made from 22ga speaker wire pulled apart to the 'el-cheapo' twinlead from RS to one of this adapters and I'm on the air in my tent.

Last summer I ran the K2 for about a week at summer camp, and I worked the National Jamboree every time I tried.

Balun? We don't need no stinkin balun!

Hey, don't worry about it being perfect. Just worry about it being at all in the first place. Worry about perfection later!

Get on the air!

And if an adapter like this helps you, more power too it! By the way, it's great for camping, cause you KNOW you'll be breaking connections what with unplugging and plugging all the time. The binding post means all I need is my trusty Scout knife to easily and quickly get back on the air.

But \$9??? Even IF his shipping and handling is only \$1.50 (additional)!

Mike

Date: Thu, 5 Sep 2002 16:23:36 -0500
From: "Stuart Rohre" <rohr@arlut.utexas.edu>
To: "Bill Coleman" <aa4lr@arrl.net>, "QRP" <qrp-1@lehigh.edu>
Subject: [134317] Re: Cleaning aluminum antenna joints
Message-ID: <001201c25522\$7ef268e0\$4e100a0a@rohredt2000>

Bill, I agree that it would seem the Butter Its Not, if copper alone, would seem to create a problem. In reality, although it is copper color, it has not; and is in fact, made for use with Butternut aluminum beams and verticals.

I happened to have some, and used it seven years ago in the joints of an antenna (aluminum) I was erecting.

In repeated measurements with antenna analyzer since then, there has NOT been any loss of a joint evidenced by any changes in the RF measurements. There is NO apparent oxidation by resistance measurements with a Lo Ohms meter, thus maybe the copper appearing substance in Butter Its Not is actually something other than pure copper. The presence of the grease in which the material is suspended effectively keeps out moisture and air, and may preclude the expected oxidation as well. The environment here has been abnormally wet in recent years, and humidity often reaches 65 per cent in Summer.

The performance of the antenna continues excellent.

Scotch Brite was suggested because of the problems in use of steel wool pads with aluminum. Anti oxidation products sold for use with aluminum should be safe to use on any aluminum ham antennas. Often, those sold in the electrical trade are noted to be for the protection of the junction of copper and aluminum joints in wiring. These compounds are required by the National Electrical Code where aluminum wiring meets copper materials at splices, switches, outlets or any area subject to AC currents.

The Butter Its Not has also been used on other aluminum beams and antennas, at the club station some ten years ago. Those remain in good condition, with normal RF measurements most recently when we moved the station location, and rerouted feed lines last fall.

I doubt Butternut/Bencher would market a product that could bring them grief of irate customers. I would use the more widely available dark grey electrical Aluminum grease as first choice, but many hams who had Bencher verticals of the Butternut line have left over compound suited for future projects.

72, Stuart K5KVH

Date: Thu, 5 Sep 2002 14:33:53 -0700 (PDT)
From: Lloyd Lachow <llachow@yahoo.com>
To: qrp-1@lehigh.edu
Subject: [134318] Re: FOX: Truffle this evening?
Message-ID: <20020905213353.43781.qmail@web10006.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

That'll be me, with my K1 at 5W to a ~200' longwire up
~25' from Reisterstown, MD. I'll be at 14.0615 +/-
listening up one from 0130-0200Z.

oo

=====
73, Lloyd, K3ESE
K1 # 00379 - ARRL
ARS #1301 - FISTS #8774
FPqrp #476 - QRParci #11147
QRP-L #2415 - SOC #530
HGT #6'1 - Wgt #190 - BT #B-

Do You Yahoo!?
Yahoo! Finance - Get real-time stock quotes
<http://finance.yahoo.com>

Date: Thu, 05 Sep 2002 16:47:03 -0500
From: "George, W5YR" <w5yr@att.net>
To: rohre@arlut.utexas.edu
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [134319] Re: Cleaning aluminum antenna joints
Message-ID: <3D77D0D7.7C7B09CE@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Question about "aluminum oxide" if I may:

>From reading this thread, I get the idea that one should attempt to remove
any oxide present and try to keep it off with pookey of some kind.

Is it not true that (a) aluminum will oxidize almost instantly when exposed to the air, regardless of how fast you slap something on it; and (b) that aluminum oxide is a "good" electrical conductor?

Our aluminum beams, etc. seem to radiate very well even when heavily oxidized, and that layer of oxide is right in there in the skin effect layer.

So, straighten me out! Is aluminum oxide all that bad? Or is the problem something else related to the presence of the oxide?

73/72, George

Fairview, TX 30 mi NE of Dallas in Collin county EM13qe

Amateur Radio W5YR - the Yellow Rose of Texas

In the 57th year and it just keeps getting better!

Stuart Rohre wrote:

>

> Bill, I agree that it would seem the Butter Its Not, if copper alone,
> would seem to create a problem. In reality, although it is copper color, it
> has not; and is in fact, made for use with Butternut aluminum beams and
> verticals.

Date: Thu, 5 Sep 2002 14:50:29 -0700

From: Bruce Grubbs <mail@brucegrubbs.com>

To: myetsko@insydesw.com,

"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>

Subject: [134320] Re: Favorite low loss coax?

Message-ID: <E17n4VK-0004qp-00@swan.mail.pas.earthlink.net>

Content-Type: text/plain;

charset="iso-8859-1"

MIME-Version: 1.0

Content-Transfer-Encoding: 8bit

My 170 foot flexweave Loop Skywire has been up for 3 years in Flagstaff's snowy climate (no ice storms, though) without any problems with the wire. The dacron support ropes in the pines do get chewed by squirrels occasionally.

73

Bruce

N7CEE

Date: Thu, 05 Sep 2002 15:51:54 -0600
From: "P.Ermisch" <ermisch@usa.net>
To: <brian@iquest.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [134321] case lettering info (was Rock-Mite update)
Message-ID: <20020905215154.2727.qmail@cmsweb26.cms.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable

I haven't used the dry-transfer (rub-on) lettering but have seen electronics lettering sets at my locally-owned electronics parts store. Don't know the brand. Of course, you can buy full-letter sets at the crafts/art store. The problem with that stuff is getting every letter straight and even.

Personally, I use decals or clear labels. Many people use plain paper or overhead transparency. The media I use are:

Decal-Trans -- <http://www.picturepocket.com>
BestPrint Presentation Media by ChartPak --
<http://www.chartpak.com/kohinoor/2surfaces>

The ChartPak stuff works great for large areas because it's a lot easier to handle than decals but still very thin. However, it should be used on a 'bright' or light-colored surface because 'bubbles' more easily.

I see that Decal-Trans is specific to the Alps 'micro-dry' printer I use or laser printer. I've seen another brand at the crafts store that works with ink-jet.

Both are not inexpensive products at \$1.30 to \$1.50 per sheet. I think overhead transparency media is also pretty pricey.

A few other folks have examples of lettering techniques on their sites but I don't have them bookmarked. Perhaps they can offer other details.

Paul KB0LUR
(examples at <http://www.qsl.net/kb0lur>)

brian@iquest.net wrote:

> Rod and the Rockmite gang...

> =

> Most of the kits on the Rock Pile have some very very nice lettering. =

> =

> How do they do that? I was going to create a nice faceplate on the col=
or

inkjet

> and rubber cement it (or something) to the container I am thinking abou=
t

using.

> Then cover the faceplate with clear contact paper, then carefully cut m=
y

holes

> and add my parts. Seems like a good idea but the lettering on the othe=
r

rigs

> looks so clean and nice. Rub ons?

> =

> 73 de KB9BVN

> =

Date: Thu, 5 Sep 2002 18:05:08 -0400

From: Bill Coleman <aa4lr@arrl.net>

To: <w5yr@att.net>,

"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>

Subject: [134322] Re: Cleaning aluminum antenna joints

Message-ID: <20020905220645.I0E2541.imf13bis.bellsouth.net@[192.168.0.23]>

Mime-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"

On 9/5/02 5:47 PM, George, W5YR at w5yr@att.net wrote:

>Is it not true that (a) aluminum will oxidize almost instantly when exposed
>to the air, regardless of how fast you slap something on it;

Quite true!

>and (b) that

>aluminum oxide is a "good" electrical conductor?

False, Aluminum oxide is an insulator.

However, unlike iron, the aluminum oxide tends to form in an even, tight layer to a depth of about 50 atoms thick. At that point, further oxidation becomes difficult and the process slows way down, unless you exacerbate the situation with acids or free ions in solution (eg salt water).

>Our aluminum beams, etc. seem to radiate very well even when heavily
>oxidized, and that layer of oxide is right in there in the skin effect
>layer.

Yea, but it is thin enough not to cause too much of a problem.

>So, straighten me out! Is aluminum oxide all that bad? Or is the problem
>something else related to the presence of the oxide?

Not usually. What is really a problem is the joints between aluminum tubes. If water (contaminated with salts or other chemicals) gets between the tubes, it can speed up the oxidation process.

Products like No Al Ox solve this problem by having a grease which effectively keeps out water and its contaminants, and particles of Zinc. These particles, when clamped, effectively bite through the layer of oxidation, which leads to good conductivity between sections.

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
 -- Wilbur Wright, 1901

Date: Thu, 5 Sep 2002 17:08:15 -0500
From: Karl Kanalz <kkanalz@gcecispc.com>
To: "'brian@iquest.net'" <brian@iquest.net>,
 Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [134323] No Balun Needed For The Adaptor
Message-ID: <01C254FE.DAF4D520@KKANALZ>

Brian,
First of all, the output of most transceivers/transmitters/receivers is an unbalanced configuration.

The BNC connector is unbalanced, as well.

The two "five-way" binding posts provided on the adaptor just gets you a 'ground' and a "hot" side to connect your feedline, whether it's coaxial cable or "ladder line".

THEN, you would probably need a balun, up near the antenna, preferably, or maybe at the transmitter end, depending on your antenna system.

Karl K - W8TIF
McKinney, Texas

-----Original Message-----

From: brian@iquest.net [SMTP:brian@iquest.net]
Sent: Thursday, September 05, 2002 9:21 AM
To: Low Power Amateur Radio Discussion
Subject: Don't you need a balun?

I saw this on eBay. Neat looking but wouldn't you need a balun in there someplace?

This is a BNC connector to 5 way post connector adapter thingie.

<http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=1377726411>

73 de KB9BVN

End of QRP-L Digest 2669

